

# MATHEMATICS

## 5TH CLASS

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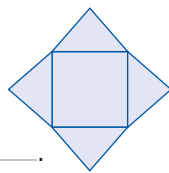
***PARENT PACK***

1. The average of these numbers is \_\_\_\_\_.

1            2            3            0            4

2.  $0.08 + 0.5 =$  \_\_\_\_\_

3. This is a net of a \_\_\_\_\_.



4.  $99,995 + 9 =$  \_\_\_\_\_

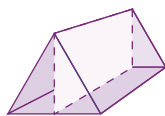
5. 16 apple quarters are \_\_\_\_\_ whole apples.

€	Quantity	Value
50	10	
20	25	
Total		€

7.  $10,000 - 3,500 =$  \_\_\_\_\_

8.  $\frac{3}{6} - \frac{3}{12} =$  \_\_\_\_\_

9. What 2-D shape can you see in the cross-section?



10.  $5.75 \times 3 =$  \_\_\_\_\_

11. 10% of 70 = \_\_\_\_\_

12.  $76.52 - 21.36 =$  \_\_\_\_\_

13. The place value of the 7 in 65.724 is

tenths.     hundredths.     thousandths.

14.  $7 \times 0.3 =$  \_\_\_\_\_

15.  $€50.00 - €29.00 = €$  \_\_\_\_\_

16.  $2 \times 2 \times 3 =$  \_\_\_\_\_

17. A floor is 5 m by 6 m. How many square metres of tiles are needed to cover it?

\_\_\_\_\_ m<sup>2</sup>

18. Which letter is symmetrical?

J            N            Z            V

19. Write the problem as a number sentence and solve it. Kate has 35 stickers. She gives 7 to Tim.

\_\_\_\_\_ = \_\_\_\_\_

20.  $\frac{77}{9} =$  \_\_\_\_\_

1. The average of these numbers is \_\_\_\_\_.

20            10            15            30            5

2.  $100,000 + 342,000 =$  \_\_\_\_\_

3.  $2.75 \times 4 =$  \_\_\_\_\_

4.  $5 \times 12 \times 200 =$  \_\_\_\_\_

5.  $\frac{3}{10}$  of 100 = \_\_\_\_\_

6.  $0.2 =$  \_\_\_\_\_%

7.  $4 \text{ kg} + 3,000 \text{ g} =$  \_\_\_\_\_ kg

8. Kieran had €3 in  coins. How many coins in total?

\_\_\_\_\_

9. Draw a 270° turn clockwise.



10.  $\frac{8}{10} - \frac{2}{5} =$  \_\_\_\_\_

11. 10% of 90 = \_\_\_\_\_

12.  $1.2 \times 5 =$  \_\_\_\_\_

13. Which angle is obtuse?     a     b



14. Write as a number sentence and solve it. Add 60 apples to 70 apples.

\_\_\_\_\_ = \_\_\_\_\_

15.  $€50.00 - €27.25 = €$  \_\_\_\_\_

16. How many fifths in a whole? \_\_\_\_\_

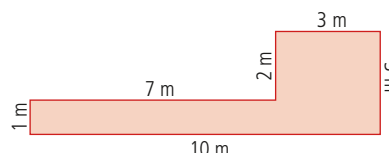
17.  $16,000 - 8,500 =$  \_\_\_\_\_

18. Simplify  $\frac{6}{9}$ . \_\_\_\_\_

19. Tick which shape's angles add up to 180°.

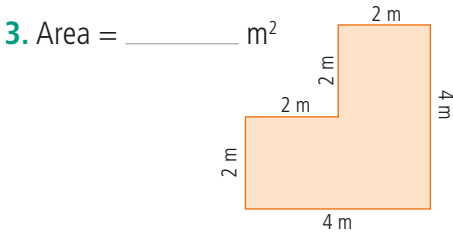


20. Area = \_\_\_\_\_ m<sup>2</sup>



1. The average of these numbers is \_\_\_\_\_.  
 50      0      150      200      100

2. Write the number before 19,000. \_\_\_\_\_



4. Write as a number sentence and solve it.  
 Jane shared 90 sweets among six people.

\_\_\_\_\_ = \_\_\_\_\_

5.  $6.45 \times 2 =$  \_\_\_\_\_

6.  $\frac{2}{5} = \frac{\square}{20}$

7.  $98.25 - 23.61 =$  \_\_\_\_\_

8. The place value of the 8 in 36.008 is  
 tenths.     hundredths.     thousandths.

9. Which letter is not symmetrical? \_\_\_\_\_  
 Z      A      T      K

10. 75% of 40 = \_\_\_\_\_

11.  $(25 \div 5) - 3 =$  \_\_\_\_\_

12. This angle is likely to be  
 80°.     90°.     60°.     100°.

13. Colour  $\frac{3}{10}$ .

14. Write the decimal eight tenths. \_\_\_\_\_

15.  $\text{€}50.00 - \text{€}31.00 = \text{€}$  \_\_\_\_\_

16. Which shape is a pentagon?  
       

17. Write 10.30 p.m. in 24-hour time.  
 \_\_\_\_\_ hours

18.  $15,000 - 4,500 =$  \_\_\_\_\_

19. How many degrees has a right angle? \_\_\_\_\_°

20. Write 2 a.m. in 24-hour time.  
 \_\_\_\_\_ hours

1. The average of these numbers is \_\_\_\_\_.  
 8      4      7      9      12

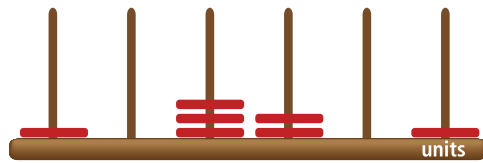
2. A tetrahedron has \_\_\_\_\_ vertices.

3.  $30 \times 50 =$  \_\_\_\_\_

4.  $5 \times 9 \times 200 =$  \_\_\_\_\_

5.  $1,500 - 900 =$  \_\_\_\_\_

6. The value of the abacus is \_\_\_\_\_.



7. Write as a number sentence and solve it. Mike runs 100 metres 5 times. How far does he run altogether?  
 \_\_\_\_\_ m \_\_\_\_\_ = \_\_\_\_\_ m

8. Write the number before 100,010.  
 \_\_\_\_\_

9.  $\frac{5}{9}$  of 18 = \_\_\_\_\_

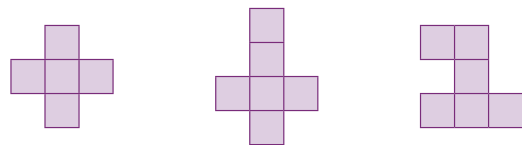
10. Use or .

11. Eight pizza quarters make \_\_\_\_\_ whole pizzas.

12.  $\frac{3}{4} - \frac{3}{8} =$  \_\_\_\_\_

13.  $8.25 \times 4 =$  \_\_\_\_\_

14. Circle the net that will make a cube.



15. Simplify  $\frac{5}{20}$ . \_\_\_\_\_

16.  $\text{€}50.00 - \text{€}37.50 = \text{€}$  \_\_\_\_\_

17.  $900 + 80 + 9 + 1,000 =$  \_\_\_\_\_

18.  $3 \times 3 \times 3 =$  \_\_\_\_\_

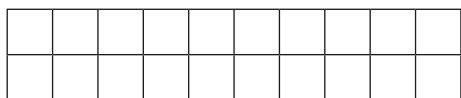
19. 75% of 80 = \_\_\_\_\_

20. Share  $\text{€}90.00$  among 6 people, where one receives  $\text{€}30.00$ , and the others 5 equal amounts.

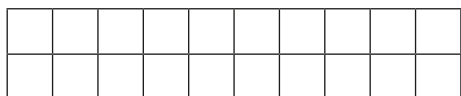
The others will receive  $\text{€}$  \_\_\_\_\_.

## Monday

1. Colour 25%.

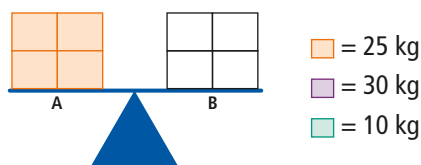


2. Colour 75%.

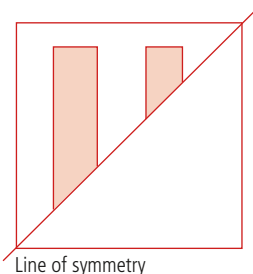


## Tuesday

1. Balance the scales using 30 kg and 10 kg weights.



2. Draw the other half of this image.



Line of symmetry

## Wednesday

1. Which tetromino has symmetry?



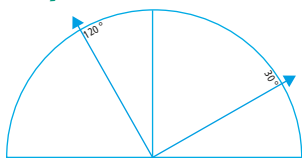
2. An electric car travels 50 km on half an hour of charge. How many kilometres is possible with  $6\frac{1}{2}$  hours of charge?

\_\_\_\_\_ km

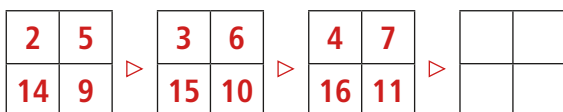
## Thursday

1. What is the size of the angle?

\_\_\_\_\_ °



2. Complete the pattern.



1. The average of these

numbers is \_\_\_\_\_.

16 4 8 12 0

2.  $0.5 + 0.02 + 3$

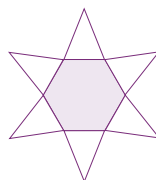
= \_\_\_\_\_

3. Write the number before 99,000.

\_\_\_\_\_

4. This is a net of a

\_\_\_\_\_



5.  $50 \times 40$

= \_\_\_\_\_

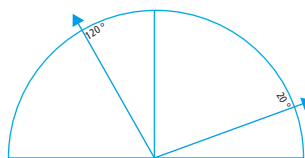
6.  $\frac{5}{100} = 0.$  \_\_\_\_\_

7. Eight apple quarters are how many apples?

\_\_\_\_\_

8. What is the size of the angle?

\_\_\_\_\_ °



9.  $5 \times 0.03 =$  \_\_\_\_\_

10.  $2 \times 3 \times 4 =$  \_\_\_\_\_

11.  $\frac{4}{6} - \frac{1}{3} =$  \_\_\_\_\_

12.  $5.45 - 1.3 =$  \_\_\_\_\_

13. How many edges has a square-based pyramid?

\_\_\_\_\_

14. Draw a  $90^\circ$  turn clockwise.



15.  $12,000 - 6,500$

= \_\_\_\_\_

16. Write as a number sentence and solve it. Add 70 apples to 80 apples.

\_\_\_\_\_

= \_\_\_\_\_

17.  $79.28 - 52.63$

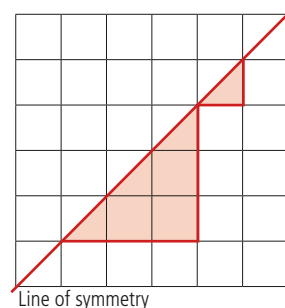
= \_\_\_\_\_

18. 10% of 90 = \_\_\_\_\_

19.  $\frac{4}{9}$  of 27 = \_\_\_\_\_

20.  $63 - 8 =$  \_\_\_\_\_  $+ 40$

21. Draw the other half.



Line of symmetry

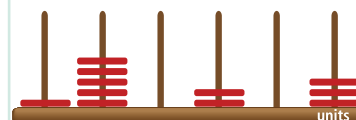
22. 75% of 60 = \_\_\_\_\_

23.  $36 \times 5 \times 200$

= \_\_\_\_\_

24. The value of the abacus is

\_\_\_\_\_.



25. A triangular prism consists of 2 triangles and \_\_\_\_\_ rectangles.

1.  $\frac{3}{4} - \frac{1}{2} =$  \_\_\_\_\_

2.  $2\frac{1}{4}$  km = \_\_\_\_\_ m

3. Draw a 90° turn clockwise.



4.  $0.02 + 0.04 =$  \_\_\_\_\_

5.  $500 \times 9 =$  \_\_\_\_\_

6.  $6.432 + 1.203 + 2.264 =$  \_\_\_\_\_

7.  $10^2 > 110$      True     False

8.  $399,965 - 7 =$  \_\_\_\_\_

9.  $73.85 - 21.42 =$  \_\_\_\_\_

10. Which is nearest to 90,000?

- 89,850     90,050     89,975

11. Write the numeral one hundred and ten thousand and ten.

\_\_\_\_\_

12. Share 36 apples among 6 boys.

\_\_\_\_\_ = \_\_\_\_\_

13. 10% of €20 = € \_\_\_\_\_

14. Is this octagon regular or irregular?



15.  $20\% = \frac{1}{4}$      True     False

16. What is the total value of  $5 \times \text{€}50$ ,  $5 \times \text{€}20$  and  $5 \times \text{€}10$ ?

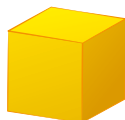
€ \_\_\_\_\_

17. Area = \_\_\_\_\_  $\text{cm}^2$



18.  $5 \times 0.8 =$  \_\_\_\_\_

19. A cube has \_\_\_\_\_ vertices.

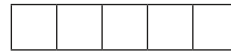


20. Complete the multiples of 6 from 60.

60				84
90				

1.  $\frac{7}{8} - \frac{1}{4} =$  \_\_\_\_\_

2. Colour 60%.



3.  $89.63 - 54.25 =$  \_\_\_\_\_

4.  $999,997 + 4 =$  \_\_\_\_\_

5.  $631,304 - 5 =$  \_\_\_\_\_

6.  $\frac{1}{5} + \frac{3}{5} =$  \_\_\_\_\_

7. Write the sum of €150 and €250 as a number sentence.

€ \_\_\_\_\_ + € \_\_\_\_\_ = € \_\_\_\_\_

8. Write the numeral one hundred and eleven thousand.

\_\_\_\_\_

9. Draw a 90° turn clockwise.



10. What are the chances of picking a King or Jack from a pack of 52 playing cards?

\_\_\_\_\_ out of \_\_\_\_\_

11.  $40 \times 10 = 400$

$40 \times 1 = 40$

$40 \times 0.1 =$  \_\_\_\_\_

12.  $\frac{1}{4}$  of 80 = \_\_\_\_\_

13. Round 24.02 to the nearest whole number.

\_\_\_\_\_

14. An equilateral triangle has \_\_\_\_\_ equal sides.

15. Which is symmetrical? \_\_\_\_\_

**P**

**N**

**D**

16. 12 a.m. =  00:00 hours     12:00 hours

17.  $\frac{7}{2} =$  (mixed number) \_\_\_\_\_

18.  $1,550 + 350 =$  \_\_\_\_\_

19. Write the prime numbers  $< 10$ . \_\_\_\_\_

20. Which angle is acute?

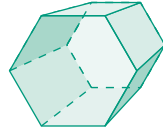
- a     b



- $\frac{6}{10} - \frac{2}{5} =$  \_\_\_\_\_
- 10% of €50.00 = € \_\_\_\_\_
- The number before 100,100 is \_\_\_\_\_.

4.  $\frac{32}{5} =$  (improper fraction) \_\_\_\_\_

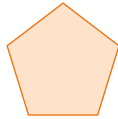
5. What shape is this?  
\_\_\_\_\_



- $6.75 \times 2 =$  \_\_\_\_\_
- $20,000 - 7 =$  \_\_\_\_\_

8. If you stacked this shape, it would make a

- prism.     pyramid.



9.  $\frac{\square}{12} = \frac{3}{4}$

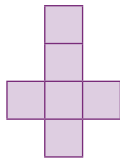
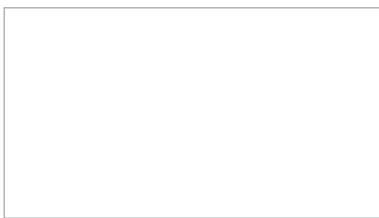
- 7, 12, 9, 14, 11, \_\_\_\_\_
- $4.032 + 4.635 + 8.232 =$  \_\_\_\_\_
- Factors of 24.

1	2	3	4
24			

13. Joseph has 500 football stickers. He gives 75 to Adam.  
\_\_\_\_\_ = \_\_\_\_\_

- $\frac{7}{10}$  of 90 = \_\_\_\_\_
- $60 \times 70 =$  \_\_\_\_\_

16. Draw another net for a cube.



- 15:20 hours = \_\_\_\_\_ a.m./p.m.
- Round 17,380 (nearest hundred). \_\_\_\_\_
- The angles in an isosceles triangle are  
 acute.     right.
- Which unit would you use to measure the distance from Dublin to Cork?  
 m     km

- $\frac{4}{6} - \frac{1}{3} =$  \_\_\_\_\_
- $99,973 + 7 =$  \_\_\_\_\_

3. Area = \_\_\_\_\_ m<sup>2</sup>

4.  $0.8 + 0.01 =$  \_\_\_\_\_

5.  $199,005 - 8 =$  \_\_\_\_\_

6. There are 20 chocolates per box. There are 6 boxes.  
How many chocolates altogether?

\_\_\_\_\_ = \_\_\_\_\_

7. The number after 1,399,999 is \_\_\_\_\_.

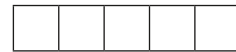
8.  $11^2 =$  \_\_\_\_\_

9.  $5.105 + 10.621 + 5.273 =$  \_\_\_\_\_

10. 10% of €80.00 = € \_\_\_\_\_

11.  $\frac{1}{2} < \frac{1}{4}$      True     False

12. Colour 40°.



13.  $90 \times 100 = 9,000$

$90 \times 10 = 900$

$90 \times 0.1 =$  \_\_\_\_\_

14.  $250 \times 5 =$  \_\_\_\_\_

15. What 3-D shape has 2 triangles and 3 rectangles?  
\_\_\_\_\_

The timetable shows daily flights from Dublin to London.

Flight	ZZ01	ZZ02	ZZ03	ZZ04
Depart Dublin	06:30	11:15	16:00	21:45
Arrive London	07:45	12:30	17:15	23:00

16. How long does each flight take to complete the journey?  
\_\_\_\_\_

17. Which flight takes off at 11.15 a.m.? \_\_\_\_\_

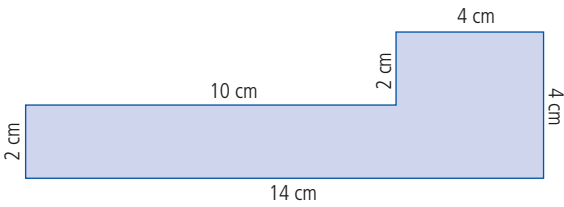
18. Which flight lands at 11 p.m.? \_\_\_\_\_

19. You need to be in London by 6 p.m.  
Which flight should you take? \_\_\_\_\_

20. You need to be in London by 12 noon.  
Will ZZ02 get you there in time? \_\_\_\_\_

**Monday**

1. Area = \_\_\_\_\_ cm<sup>2</sup>

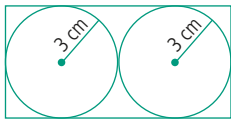


2. Perimeter = \_\_\_\_\_ cm

**Tuesday**

1. 12th April  
20:30 12 hours later \_\_\_\_\_ 24 HR

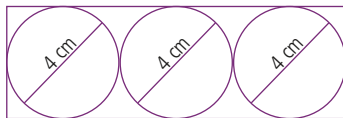
2. What is the perimeter of the rectangle?  
\_\_\_\_\_ cm



**Wednesday**

1. French cheese costs €3.50 per 250 g. What is the cost of  $\frac{3}{4}$  kg?  
€ \_\_\_\_\_

2. What is the perimeter of the rectangle?  
\_\_\_\_\_ cm



**Thursday**

1. A florist arranged a vase with 3 roses for every tulip. How many tulips were there if there were 32 flowers?  
\_\_\_\_\_

2. 35 tens, 150 units and 25 hundreds is equal to \_\_\_\_\_.

1.  $\frac{6}{9} - \frac{2}{6} =$  \_\_\_\_\_

2.  $4.75 \times 3 =$  \_\_\_\_\_

3. Match the lines of symmetry.

vertical



horizontal



4.  $0.9 + 2 + 0.01 =$  \_\_\_\_\_

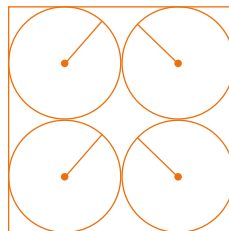
5.  $5\frac{3}{4}$  km = \_\_\_\_\_ m

6.  $998 \times 3 =$  \_\_\_\_\_

7.  $\frac{1}{2} > \frac{1}{5}$   
 True    False

8.  $2.103 + 3.522 + 4.274 =$  \_\_\_\_\_

9. Each radius is 2 cm. What is the perimeter of the square?  
\_\_\_\_\_ cm



10.  $\frac{2}{3}$  of 27 = \_\_\_\_\_

11. Match the angles.

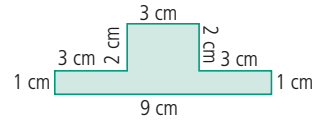
obtuse = \_\_\_\_\_

acute = \_\_\_\_\_



12.  $20 \times 0.1 =$  \_\_\_\_\_

13. Area = \_\_\_\_\_ cm<sup>2</sup>



14. Perimeter = \_\_\_\_\_ cm

15. 10% of €60  
= € \_\_\_\_\_

16.  $70 \times 800 =$  \_\_\_\_\_

17. Cheese costs €4.50 per 200 g. What is the cost of  $\frac{4}{5}$  kg?  
€ \_\_\_\_\_

18.  $10 \times 1,700 =$  \_\_\_\_\_

19. Draw a 90° turn anticlockwise.



20. The value of the 7 in 714,323  
= \_\_\_\_\_

21. The area of a wall 5 m by 2 m is  
\_\_\_\_\_ m<sup>2</sup>.

22. What is the total area of the walls in a four-wall room when each wall is 5 m by 2 m?  
\_\_\_\_\_ m<sup>2</sup>

23. 12 p.m. =  
 00:00 hours  
 12:00 hours

24.  $4 \times 0.07 =$  \_\_\_\_\_

25.  $32 \times 25 \times 4 =$  \_\_\_\_\_

# NEW WAVE MENTAL MATHS (5th Class book) – Answers

10. 0.35
11. 3
12. 1,800
13. 180
14. 105,000
15. 9
16. 89,998
17.  $4\frac{3}{10}$
18. 6 apples for €2.40
19. hundredths
20. 17.5
21. 10
22. Teacher check
23. 6 in 8 or 3 in 4
24.  $\frac{3}{5}$
25. 48

### WEEK 28 pages 83–85

#### Monday

1. 10
2. 100,006
3. 90
4. Teacher check
5. 30
6. 0.3
7. 909,999
8. 3
9. 120
10. 7,000
11. 33,894
12. 8,910
13. 10 out of 21
14. 2
15. 15.6
16.  $\frac{2}{5}$
17. triangular prism
18. 12
19. 5
20. 0.08

#### Tuesday

1. 20
2. Teacher check
3. 0.05
4. 3
5. 1.8
6. 10
7. 28.18
8. 4
9.  $\frac{3}{5}$  or  $\frac{6}{10}$
10. 7
11.  $\frac{3}{4}$
12. 0.2
13. 5
14.  $4 \times 8 = 32$
15. 108
16. 19.75
17. 10

18. 1,400
19. 21
20. 16,000

#### Wednesday

1. 8
2. 26,397
3. 7.65
4. 8
5. 9,250
6. 4.9
7. 300
8.  $\frac{2}{6}$  or  $\frac{1}{3}$
9. 990,090
10. 2
11. 9
12. 26.25
13. Teacher check
14. 11
15. 35,500
16. 7
17. 14
18. 21
19. 14
20. 42

#### Thursday

1. 11
2. 100,001
3.  $45^\circ$
4. 39,899
5. True
6. 909,009
7. 180
8. 1,250
9. 0.36
10. 3
11. 25
12. 1
13. 39,000
14. 13
15. 189,900
16. 1
17. tenths
18. 750
19. 240
20. 5.30 p.m.

#### Problem solving

##### Monday

1. 10
2. 34

##### Tuesday

1. 8
2. 4

##### Wednesday

1. 45,000
2. 8

##### Thursday

1. 16, 6, 1
2. 105

#### Friday review

1. 11
2. 6,500
3. 45
4.  $100^\circ$
5. 5
6. 27,194
7. 1
8. 16
9. 4,000
10. 53.28
11. True
12.  $\frac{2}{10}$  or  $\frac{1}{5}$
13. 30
14. 20
15. 2
16. 8
17. 9.50 p.m.
18. 1,450
19. 35
20. 180
21.  $6 \times 7 = 42$
22. Teacher check
23. 3.1
24. 34.25
25. tenths

### WEEK 29 pages 86–88

#### Monday

1. 4
2. 10
3. 0.21
4. 28
5. 100,001
6. 900,009
7. 27
8. 16
9. 180
10. 12.75
11.  $40 \div 8 = 5$
12. 23.72
13. tenths
14. 36
15. 0.75
16. 5
17. cube
18. 146,000
19. 5
20. irregular

#### Tuesday


1. 10
2. 3
3. 10.4
4. 0.45
5.  $\frac{2}{8}$  or  $\frac{1}{4}$
6. 13.00
7. 0.99
8. 5

9. Teacher check
10. 4
11. 22,220
12. 7.60
13. 4
14. 440
15. 75
16. 80,998
17. 5,960
18. 28
19. 30
20. parallelogram

#### Wednesday

1. 6
2. 0.72
3.  $\frac{3}{6}$  or  $\frac{1}{2}$
4. 9
5. 5
6. 21:00 hours
7. 30
8. 11
9.  $\frac{5}{6}$
10.  $6 \times 3 = 18$
11. hundredths
12. 20,000
13. 121
14. 1,970
15. 82,093
16. Teacher check
17. 7,200
18. 80
19. 7
20. obtuse

#### Thursday

1. 8
2. 135
3. 
4. 100,003
5. 0.41
6. 60
7. Teacher check
8. 6
9. nonagon
10.  $\frac{3}{12}$  or  $\frac{1}{4}$
11. 13
12. 45
13. 250,000
14. 2,900
15. 6
16. 2.15 p.m.
17. 28,496
18. 21
19. 8
20. cm

#### Problem solving

##### Monday

1. Teacher check
2.  $\frac{2}{8}$

##### Tuesday

1. 6.25
2. 18

##### Wednesday

1. 8.15 p.m.
2. 2,050 g

##### Thursday

1. Teacher check
2. Teacher check

#### Friday review

1. 6
2. 24
3. 100,006
4.  $\frac{2}{10}$  or  $\frac{1}{5}$
5. Teacher check
6. 2.93
7. 17
8. 1,350
9. thousandths
10. 3
11. 750
12. 6
13. 4,000
14. 22
15. 3,900
16.  $\frac{3}{12}$  or  $\frac{1}{4}$
17.  $110^\circ$
18. 90.02
19. Teacher check
20. 19:00 hours
21. 
22. 69,400
23. Teacher check
24. 16
25. 2

### WEEK 30 pages 89–91

#### Monday


1. 2
2. 0.58
3. square-based pyramid
4. 100,004
5. 4
6. 500  
500  
1,000
7. 6,500
8.  $\frac{3}{12}$  or  $\frac{1}{4}$
9. rectangle
10. 17.25
11. 7
12. 55.16
13. tenths



# NEW WAVE MENTAL MATHS (5th Class book) – Answers

14. 2.1  
15. 21  
16. 12  
17. 30  
18. V  
19.  $35 - 7 = 28$   
20.  $8\frac{5}{9}$

## Tuesday

1. 16  
2. 442,000  
3. 11  
4. 12,000  
5. 30  
6. 20%  
7. 7  
8. 30  
9.   
10.  $\frac{4}{10}$  or  $\frac{2}{5}$   
11. 9  
12. 6  
13. b  
14.  $60 + 70 = 130$   
15. 22.75  
16. 5  
17. 7,500  
18.  $\frac{2}{3}$   
19. Teacher check  
20. 16

## Wednesday

1. 100  
2. 18,999  
3. 12  
4.  $90 \div 6 = 15$   
5. 12.9  
6. 8  
7. 74.64  
8. thousandths  
9. Z  
10. 30  
11. 2  
12.  $80^\circ$   
13. Teacher check  
14. 0.8  
15. 19.00  
16. Teacher check  
17. 22:30  
18. 10,500  
19. 90  
20. 02:00

## Thursday

1. 8  
2. 4  
3. 1,500  
4. 9,000  
5. 600  
6. 103,201  
7.  $100 \times 5 = 500$

8. 100,009  
9. 10  
10.  $\downarrow$  1 kg  
11. 2  
12.  $\frac{5}{8}$   
13. 33  
14. Teacher check  
15.  $\frac{1}{4}$   
16. 12.50  
17. 1,989  
18. 27  
19. 60  
20. 12

## Problem solving

### Monday

1. Teacher check  
2. Teacher check

### Tuesday

1.  $3 \times 30$  kg and  
 $1 \times 10$  kg  
2. Teacher check


### Wednesday

1. Teacher check  
2. 650

### Thursday


1. 90  
2. 5, 8  
17, 12

### Friday review


1. 8  
2. 3.52  
3. 98,999  
4. hexagonal pyramid  
5. 2,000  
6. 05  
7. 2  
8. 100  
9. 0.15  
10. 24  
11.  $\frac{1}{3}$   
12. 4.15  
13. 8  
14.   
15. 5,500  
16.  $70 + 80 = 150$   
17. 26.65  
18. 9  
19. 12  
20. 15  
21. Teacher check  
22. 45  
23. 3,600  
24. 150,203  
25. 3

## WEEK 31 pages 92–94

### Monday

1.  $\frac{1}{4}$   
2. 2,250  
3.   
4. 0.06  
5. 4,500  
6. 9.899  
7. False  
8. 399,958  
9. 52.43  
10. 89,975  
11. 110,010  
12.  $36 \div 6 = 6$   
13. 2  
14. irregular  
15. False  
16. 400  
17. 40  
18. 4  
19. 8  
20. 66, 72, 78  
96, 102, 108, 114

### Tuesday

1.  $\frac{5}{8}$   
2. Teacher check  
3. 35.38  
4. 1,000,001  
5. 631,299  
6.  $\frac{4}{5}$   
7.  $150 + 250 = 400$   
8. 111,000  
9.   
10. 8 out of 52  
11. 4  
12. 20  
13. 24  
14. 3  
15. D  
16. 00:00 hours  
17.  $3\frac{1}{2}$   
18. 1,900  
19. 2, 3, 5, 7  
20. a

### Wednesday

1.  $\frac{2}{10}$  or  $\frac{1}{5}$   
2. 5  
3. 100,099  
4.  $6\frac{2}{5}$   
5. hexagonal prism  
6. 13.5  
7. 19.993  
8. prism  
9. 9  
10. 16  
11. 16.899  
12. 12, 8, 6

13.  $500 - 75 = 425$   
14. 63  
15. 4,200  
16. Teacher check  
17. 3.20 p.m.  
18. 17,400  
19. acute  
20. km

### Thursday

1.  $\frac{1}{3}$   
2. 99,980  
3. 11  
4. 0.81  
5. 198,997  
6.  $20 \times 6 = 120$   
7. 1,400,000  
8. 121  
9. 20.999  
10. 8  
11. False  
12. Teacher check  
13. 9  
14. 1,250  
15. triangular prism  
16. 75 minutes or  
1 hour 15 minutes  
17. ZZ02  
18. ZZ04  
19. ZZ03  
20. ZZ01

### Problem solving

#### Monday

1. 36  
2. 36

#### Tuesday

1. 13 April  
08:30  
2. 36

#### Wednesday


1. 10.50  
2. 32

#### Thursday

1. 8  
2. 3,000


### Friday review

1.  $\frac{1}{3}$   
2. 14.25  
3. vertical W  
horizontal E  
4. 2.91  
5. 5,750  
6. 2,994  
7. True  
8. 9.899  
9. 32  
10. 18  
11. obtuse b  
acute a


12. 2.0  
13. 15  
14. 24  
15. 6  
16. 56,000  
17. 18  
18. 17,000  
19.   
20. hundred thousands  
21. 10  
22. 40  
23. 12:00 hours  
24. 0.28  
25. 3,200

## WEEK 32 pages 95–97

### Monday

1. 10  
2. 7.62  
3. Teacher check  
4. 1,000,001  
5. 27  
6. 188,994  
7. 1,000,000  
8.  $\frac{4}{10}$  or  $\frac{2}{5}$   
9. 10.90  
10. 10  
11. 1.201  
12. 79.50  
13. 27  
14.  $1\frac{1}{4}$   
15. 43  
16. 0.09  
17.   
18. odd  
19. 0.27  
20. 5

### Tuesday

1. 25  
2. 1,000,001  
3. 290  
4. 11.76  
5. 30  
6. 268,798  
7. 1,000,100  
8.   
9. triangular pyramid  
10. even  
11. 59.50  
12.  $\frac{9}{12}$   
13. 12, 24, 36  
14. 18.969  
15. 0.07, 0.7, 7, 70  
16. 32  
17. 5  
18.  $48 - 5 = 43$   
19.  $8, 1\frac{3}{5}$   
20. 190

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Level EE

Not so Easy

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|--|--|
| 1. $6 \times 2 = \underline{\quad}$    | 26. $6 \times 9 = \underline{\quad}$   |
| 2. $2 \times 5 = \underline{\quad}$    | 27. $4 \times 7 = \underline{\quad}$   |
| 3. $7 \times 3 = \underline{\quad}$    | 28. $6 \times 8 = \underline{\quad}$   |
| 4. $6 \times 4 = \underline{\quad}$    | 29. $12 \times 9 = \underline{\quad}$  |
| 5. $6 \times 3 = \underline{\quad}$    | 30. $3 \times 12 = \underline{\quad}$  |
| 6. $4 \times 2 = \underline{\quad}$    | 31. $12 \times 4 = \underline{\quad}$  |
| 7. $4 \times 5 = \underline{\quad}$    | 32. $9 \times 9 = \underline{\quad}$   |
| 8. $6 \times 5 = \underline{\quad}$    | 33. $12 \times 12 = \underline{\quad}$ |
| 9. $9 \times 5 = \underline{\quad}$    | 34. $7 \times 7 = \underline{\quad}$   |
| 10. $11 \times 7 = \underline{\quad}$  | 35. $9 \times 6 = \underline{\quad}$   |
| 11. $4 \times 4 = \underline{\quad}$   | 36. $2 \times 9 = \underline{\quad}$   |
| 12. $3 \times 7 = \underline{\quad}$   | 37. $8 \times 9 = \underline{\quad}$   |
| 13. $4 \times 6 = \underline{\quad}$   | 38. $8 \times 12 = \underline{\quad}$  |
| 14. $9 \times 4 = \underline{\quad}$   | 39. $4 \times 0 = \underline{\quad}$   |
| 15. $10 \times 10 = \underline{\quad}$ | 40. $11 \times 8 = \underline{\quad}$  |
| 16. $11 \times 0 = \underline{\quad}$  | 41. $12 \times 7 = \underline{\quad}$  |
| 17. $12 \times 1 = \underline{\quad}$  | 42. $5 \times 5 = \underline{\quad}$   |
| 18. $3 \times 9 = \underline{\quad}$   | 43. $8 \times 7 = \underline{\quad}$   |
| 19. $2 \times 12 = \underline{\quad}$  | 44. $4 \times 11 = \underline{\quad}$  |
| 20. $2 \times 7 = \underline{\quad}$   | 45. $10 \times 11 = \underline{\quad}$ |
| 21. $3 \times 3 = \underline{\quad}$   | 46. $8 \times 6 = \underline{\quad}$   |
| 22. $7 \times 8 = \underline{\quad}$   | 47. $5 \times 12 = \underline{\quad}$  |
| 23. $4 \times 8 = \underline{\quad}$   | 48. $9 \times 7 = \underline{\quad}$   |
| 24. $11 \times 11 = \underline{\quad}$ | 49. $6 \times 7 = \underline{\quad}$   |
| 25. $12 \times 6 = \underline{\quad}$  | 50. $9 \times 8 = \underline{\quad}$   |



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Level EE

Not so Easy

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|--|--|
| 1. $6 \times 2 = \underline{\quad}$    | 26. $6 \times 9 = \underline{\quad}$   |
| 2. $2 \times 5 = \underline{\quad}$    | 27. $4 \times 7 = \underline{\quad}$   |
| 3. $7 \times 3 = \underline{\quad}$    | 28. $6 \times 8 = \underline{\quad}$   |
| 4. $6 \times 4 = \underline{\quad}$    | 29. $12 \times 9 = \underline{\quad}$  |
| 5. $6 \times 3 = \underline{\quad}$    | 30. $3 \times 12 = \underline{\quad}$  |
| 6. $4 \times 2 = \underline{\quad}$    | 31. $12 \times 4 = \underline{\quad}$  |
| 7. $4 \times 5 = \underline{\quad}$    | 32. $9 \times 9 = \underline{\quad}$   |
| 8. $6 \times 5 = \underline{\quad}$    | 33. $12 \times 12 = \underline{\quad}$ |
| 9. $9 \times 5 = \underline{\quad}$    | 34. $7 \times 7 = \underline{\quad}$   |
| 10. $11 \times 7 = \underline{\quad}$  | 35. $9 \times 6 = \underline{\quad}$   |
| 11. $4 \times 4 = \underline{\quad}$   | 36. $2 \times 9 = \underline{\quad}$   |
| 12. $3 \times 7 = \underline{\quad}$   | 37. $8 \times 9 = \underline{\quad}$   |
| 13. $4 \times 6 = \underline{\quad}$   | 38. $8 \times 12 = \underline{\quad}$  |
| 14. $9 \times 4 = \underline{\quad}$   | 39. $4 \times 0 = \underline{\quad}$   |
| 15. $10 \times 10 = \underline{\quad}$ | 40. $11 \times 8 = \underline{\quad}$  |
| 16. $11 \times 0 = \underline{\quad}$  | 41. $12 \times 7 = \underline{\quad}$  |
| 17. $12 \times 1 = \underline{\quad}$  | 42. $5 \times 5 = \underline{\quad}$   |
| 18. $3 \times 9 = \underline{\quad}$   | 43. $8 \times 7 = \underline{\quad}$   |
| 19. $2 \times 12 = \underline{\quad}$  | 44. $4 \times 11 = \underline{\quad}$  |
| 20. $2 \times 7 = \underline{\quad}$   | 45. $10 \times 11 = \underline{\quad}$ |
| 21. $3 \times 3 = \underline{\quad}$   | 46. $8 \times 6 = \underline{\quad}$   |
| 22. $7 \times 8 = \underline{\quad}$   | 47. $5 \times 12 = \underline{\quad}$  |
| 23. $4 \times 8 = \underline{\quad}$   | 48. $9 \times 7 = \underline{\quad}$   |
| 24. $11 \times 11 = \underline{\quad}$ | 49. $6 \times 7 = \underline{\quad}$   |
| 25. $12 \times 6 = \underline{\quad}$  | 50. $9 \times 8 = \underline{\quad}$   |



Your Score: \_\_\_\_\_

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Answers

	P	Q	R	S	T	AA	BB	CC	DD	EE	FF	GG	HH	II	JJ
1	16	99	9	24	12	6	8	9	14	12	45	21	8	27	24
2	12	40	9	33	30	0	14	18	3	10	16	12	21	20	32
3	5	33	14	0	4	4	0	15	16	21	12	20	27	1	70
4	9	50	12	36	24	9	10	2	15	24	15	8	32	12	0
5	8	11	50	60	8	8	8	12	20	18	8	18	72	16	28
6	7	20	77	12	35	7	70	20	6	8	60	10	30	24	30
7	0	44	100	77	0	4	6	21	40	20	18	15	56	18	48
8	45	10	6	48	25	12	16	30	18	30	32	18	48	96	54
9	10	30	21	99	28	10	18	10	0	45	4	12	18	32	120
10	24	88	16	55	1	16	20	4	18	77	12	0	36	45	63
11	16	60	27	84	18	10	12	35	0	16	27	100	100	70	132
12	30	55	24	22	16	12	27	18	9	21	10	0	0	0	96
13	3	80	4	110	36	15	10	5	5	24	27	12	4	72	18
14	32	66	24	11	20	60	18	16	35	36	24	8	72	28	12
15	24	70	40	72	16	18	100	40	25	100	36	40	84	90	96
16	77	22	36	44	35	2	9	12	18	0	20	16	27	110	60
17	15	80	18	96	22	20	30	30	32	12	100	18	12	54	120
18	28	60	28	0	27	40	28	0	21	27	32	45	16	30	60
19	6	77	6	88	14	0	36	49	100	24	36	24	36	108	84
20	80	10	32	120	40	33	21	27	24	14	56	36	48	48	36
21	44	66	15	0	9	18	4	24	45	9	24	55	49	8	72
22	49	100	8	96	70	10	55	45	64	56	36	1	48	54	108
23	4	20	49	66	132	30	24	16	48	32	24	36	12	48	48
24	88	50	18	108	24	14	0	48	42	121	28	42	50	110	108
25	36	0	121	11	100	16	24	28	110	72	48	27	108	121	99
26	64	110	132	84	49	12	90	56	0	54	45	30	144	120	81
27	100	11	25	22	32	22	24	36	28	28	40	42	110	132	54
28	60	132	63	144	6	55	32	70	99	48	55	121	36	144	96
29	110	70	11	33	4	0	16	54	80	108	21	50	99	72	72
30	54	22	20	132	36	20	18	14	4	36	0	48	56	96	144
31	21	77	48	44	40	10	12	55	24	48	24	25	110	96	132
32	18	0	45	110	54	44	25	8	56	81	36	56	132	63	8
33	42	121	30	66	121	16	35	36	22	144	42	36	25	55	64
34	24	90	0	121	20	50	24	24	12	49	25	54	2	40	45
35	120	0	42	120	21	9	3	25	40	54	36	49	120	60	72
36	25	40	64	55	0	6	88	63	81	18	30	45	40	54	84
37	36	90	36	36	64	12	0	10	48	72	49	28	108	84	60
38	72	120	42	12	77	15	22	40	49	96	54	80	144	132	90
39	35	30	56	99	28	6	10	24	16	0	88	0	0	60	110
40	12	55	81	24	108	18	16	32	0	88	80	32	72	48	54
41	20	120	70	0	56	16	24	1	24	84	24	81	81	108	40
42	63	33	16	60	10	30	40	42	56	25	33	28	14	36	48
43	18	132	96	88	81	8	36	0	30	56	48	50	32	84	108
44	48	44	132	48	48	20	45	30	88	44	24	24	42	81	72
45	0	99	54	72	36	14	20	8	63	110	64	64	24	108	48
46	40	110	10	132	132	18	25	36	36	48	27	110	90	72	36
47	96	0	72	96	15	0	28	44	24	60	0	16	80	84	84
48	99	88	21	77	144	30	21	21	54	63	32	56	100	72	10
49	84	44	36	84	96	25	36	24	32	42	99	54	72	120	16
50	56	132	72	108	63	12	35	42	72	72	56	12	96	108	36

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# SUBTRACTION

## NUMBER

### TEACHER INFORMATION

#### Objectives

Understands the role of place value when subtracting numbers.  
Calculates subtraction problems with numbers up to five digits.

#### Concepts required

Place value  
Trading  
Problem solving

#### Answers

- |   |   |   |
|---|---|---|
| 1. (a) 32   | (b) 33  | (c) 211   |
| (d) 301   | (e) 2122  |   |
| 2. (a) 47   | (b) 26  | (c) 58  |
| (d) 47  | (e) 44  | (f) 23  |
| 3. (a) 124  | (b) 323   | (c) 314   |
| (d) 504   | (e) 368   | (f) 746   |
| 4. (a) 368  | (b) 256   | (c) 263   |
| (d) 267   | (e) 253   | (f) 205   |
| 5. (a) 2027   | (b) 2252  | (c) 3218  |
| (d) 4341  | (e) 3189  |   |
| 6. (a) 118  | (b) 635   | (c) 1542  |
| (d) 1264  | (e) 1424  |   |
| 7. (a) 65   | (b) 78  | (c) 81  |
| $\begin{array}{r} -23 \\ \hline 42 \end{array}$     | $\begin{array}{r} -49 \\ \hline 29 \end{array}$     | $\begin{array}{r} -35 \\ \hline 46 \end{array}$     |
| (d) 740   | (e) 535   | (f) 4284  |
| $\begin{array}{r} -336 \\ \hline 404 \end{array}$   | $\begin{array}{r} -145 \\ \hline 390 \end{array}$   | $\begin{array}{r} -1162 \\ \hline 3122 \end{array}$ |
| (g) 5240  | (h) 8000  |   |
| $\begin{array}{r} -2039 \\ \hline 3201 \end{array}$ | $\begin{array}{r} -2999 \\ \hline 5001 \end{array}$ |   |

# SUBTRACTION

## NUMBER

1. (a)  $\begin{array}{r} 78 \\ - 46 \\ \hline \end{array}$  (b)  $\begin{array}{r} 69 \\ - 36 \\ \hline \end{array}$  (c)  $\begin{array}{r} 425 \\ - 214 \\ \hline \end{array}$  (d)  $\begin{array}{r} 509 \\ - 208 \\ \hline \end{array}$  (e)  $\begin{array}{r} 4685 \\ - 2563 \\ \hline \end{array}$

2. (a)  $\begin{array}{r} 72 \\ - 25 \\ \hline \end{array}$  (b)  $\begin{array}{r} 63 \\ - 37 \\ \hline \end{array}$  (c)  $\begin{array}{r} 86 \\ - 28 \\ \hline \end{array}$  (d)  $\begin{array}{r} 95 \\ - 48 \\ \hline \end{array}$  (e)  $\begin{array}{r} 80 \\ - 36 \\ \hline \end{array}$  (f)  $\begin{array}{r} 70 \\ - 47 \\ \hline \end{array}$

3. (a)  $\begin{array}{r} 251 \\ - 127 \\ \hline \end{array}$  (b)  $\begin{array}{r} 732 \\ - 409 \\ \hline \end{array}$  (c)  $\begin{array}{r} 542 \\ - 228 \\ \hline \end{array}$  (d)  $\begin{array}{r} 840 \\ - 336 \\ \hline \end{array}$  (e)  $\begin{array}{r} 777 \\ - 409 \\ \hline \end{array}$  (f)  $\begin{array}{r} 953 \\ - 207 \\ \hline \end{array}$

4. (a)  $\begin{array}{r} 624 \\ - 256 \\ \hline \end{array}$  (b)  $\begin{array}{r} 534 \\ - 278 \\ \hline \end{array}$  (c)  $\begin{array}{r} 861 \\ - 598 \\ \hline \end{array}$  (d)  $\begin{array}{r} 744 \\ - 477 \\ \hline \end{array}$  (e)  $\begin{array}{r} 631 \\ - 378 \\ \hline \end{array}$  (f)  $\begin{array}{r} 704 \\ - 499 \\ \hline \end{array}$

5. (a)  $\begin{array}{r} 3156 \\ - 1129 \\ \hline \end{array}$  (b)  $\begin{array}{r} 4841 \\ - 2589 \\ \hline \end{array}$  (c)  $\begin{array}{r} 5703 \\ - 2485 \\ \hline \end{array}$  (d)  $\begin{array}{r} 7430 \\ - 3089 \\ \hline \end{array}$  (e)  $\begin{array}{r} 6041 \\ - 2852 \\ \hline \end{array}$

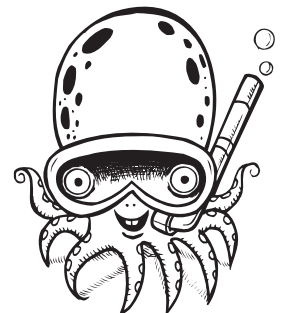
6. (a)  $\begin{array}{r} 600 \\ - 482 \\ \hline \end{array}$  (b)  $\begin{array}{r} 1200 \\ - 565 \\ \hline \end{array}$  (c)  $\begin{array}{r} 3000 \\ - 1458 \\ \hline \end{array}$  (d)  $\begin{array}{r} 4000 \\ - 2736 \\ \hline \end{array}$  (e)  $\begin{array}{r} 10\ 000 \\ - 8576 \\ \hline \end{array}$

7. Find the missing numbers to complete each problem.

(a)  $\begin{array}{r} 6\ 5 \\ - 2\ \square \\ \hline 4\ 2 \end{array}$  (b)  $\begin{array}{r} \square\ 8 \\ - 4\ 9 \\ \hline 2\ 9 \end{array}$  (c)  $\begin{array}{r} 8\ 1 \\ - 3\ \square \\ \hline 4\ 6 \end{array}$  (d)  $\begin{array}{r} 7\ \square\ 0 \\ - 3\ 3\ 6 \\ \hline \square\ 0\ 4 \end{array}$

(e)  $\begin{array}{r} \square\ 3\ 5 \\ - 1\ 4\ \square \\ \hline 3\ 9\ 0 \end{array}$  (f)  $\begin{array}{r} 4\ 2\ 8\ 4 \\ - \square\ 1\ \square\ 2 \\ \hline 3\ 1\ 2\ \square \end{array}$

(g)  $\begin{array}{r} \square\ 2\ \square\ 0 \\ - 2\ 0\ 3\ 9 \\ \hline 3\ 2\ 0\ \square \end{array}$  (h)  $\begin{array}{r} 8\ \square\ 0\ \square \\ - 2\ 9\ \square\ 9 \\ \hline \square\ 0\ 0\ 1 \end{array}$



PUPIL NAME .....

# DIRECTIONS

## SHAPE

### TEACHER INFORMATION

#### *Objectives*

Describes direction using conventional locational language.  
Describes location using compass point directions.

#### *Concepts required*

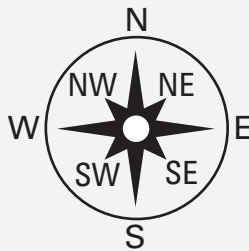
Compass directions  
Locating information on a map

#### *Materials needed*

Atlas

#### *Answers*

1.

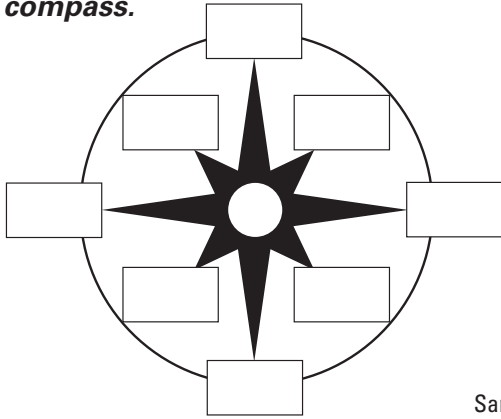


2. (a) east (b) west
3. (a) Seattle (b) Boston, New York  
(c) Houston (d) north-east  
(e) Los Angeles (f) St Louis  
(g) east (h) Boston
4. Answers will vary

# DIRECTIONS

## SHAPE

1. Add the direction abbreviations to the compass.



2. (a) From which direction does the sun rise?

(b) In which direction does the sun set?

3. Answer the questions about this map of the United States of America.



(a) What city is directly located in the far north-west?

(b) What two cities are located on the east coast?

(c) What city is directly west of New Orleans?

(d) In which direction is Chicago from Houston?

(e) What city is south-west of Las Vegas?

(f) What city is south-west of New York?

(g) In which direction is Salt Lake City from San Francisco?

(h) What is the most eastern city marked on the map?

4. Use the map of Ireland, an atlas and compass directions to answer the questions.

(a) Label the city, town or area where you live.

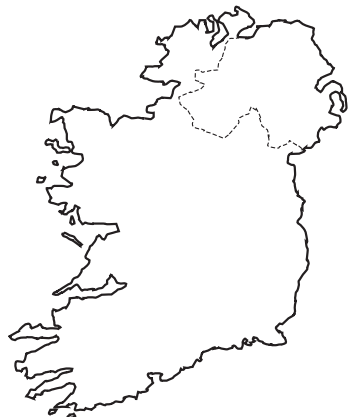
(b) I live  of Dublin.

(c) I am located closest to the  coast.

(d) The Giant's Causeway is to the  of where I live.

(e) The Blarney Stone is located to the  of where I live.

(f) The Irish Sea is located to the  of where I live.



PUPIL NAME