Numeracy - Exercise 1

1. Write 87 in words

2. Write seventy-five in figures

3. What is the value of the underlined digit in this number: 3<u>6</u>7 ?

4. What is 7 + 8 + 9 ?

5. What is the sum of 5, 6 and 7 ?

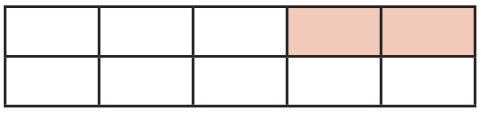
6. What is 13 subtract 7 ?

7. What is 39 take away 17 ?

8. What is 7 x 8 ?

9. What are nine elevens ?

10. What fraction of this shape is shaded ?



11. What is 24 + 19 − 11 ?

12. What number divides 32 into 8 equal parts ?

13. Work out 9 + 7 − 5.

14. Write down the next number in this sequence: 5, 11, 17, 23,____.

15. Write down the missing number in this sequence: 30, 23, 16,____, 2.

16. What fraction of the whole line is **AB**?

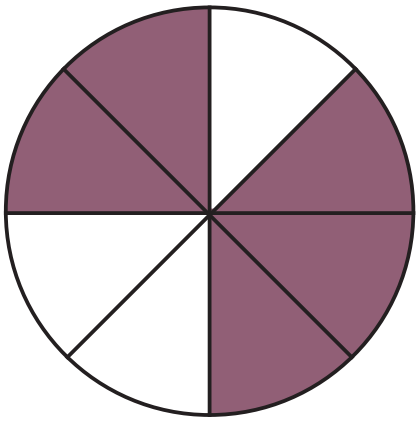
17. What is 50% as a fraction ?

18. A pie is cut into four equal parts. What fraction of the whole pie is each piece ?

19. Work out 24 ÷ 3.

20. Fifty-five percent of pupils in a school are girls. What percentage are boys ?

21. What fraction of this circle is shaded ?

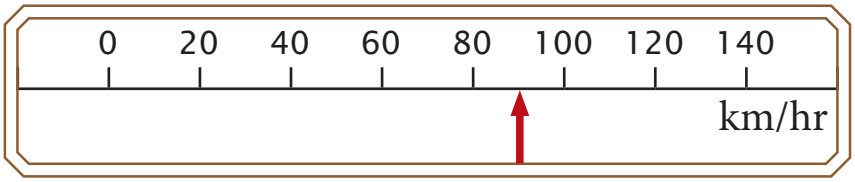


22. What is 2·2 + 3·6 ?

23. What is 1·2 + 3·5 + 2·1 ?

24. What is $\frac{3}{10}$ as a decimal ?

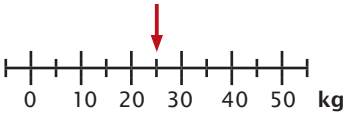
25. What is the speed in km/hr shown by the pointer ?



Numeracy - Exercise 2

1. What is the value of the underlined digit in this decimal: 0.<u>1</u>2 ?

2. What is the reading on this scale indicated by the arrow ?



3. Estimate the length of this line in centimetres:

4. How much money is here ?

5. What is the cost of 8 pencils at 9 pence each ?

6. If I buy 5 cakes for 40 pence, how much does each cake cost ?

7. If I buy a portion of chips for 57 pence, how much change will I receive from one pound ?

8. How many 50 pence coins should I receive in exchange for 12 one pound coins ?

9. A compact disc system costs £320. I am given a discount of £80. What price do I have to pay ?

10. Four sisters share 72 pence equally between them. How much does each receive ?

11. Each side of a square is 7cm. What is the area of the square in cm^2 ?

12. How many grams are there in 5 kilograms ? (1kg = 1000g).

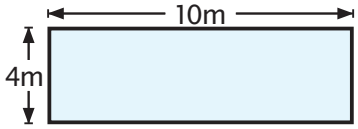
13. If 8 pints = 1 gallon, how many gallons is 24 pints ?

14. Jean-Paul skis 7000 metres. How far is this in kilometres ? (1000 m = 1 km).

15. How many litres is 3000 millilitres ? (1l = 1000 ml).

16. A piece of wood is 3 metres long. Thirty centimetres is cut off.
How much, in centimetres, is left ? (1 m = 100 cm).

17. What is the area of this rectangle in m² ?



18. If 8 km is about 5 miles, roughly how many miles is 48 km ?

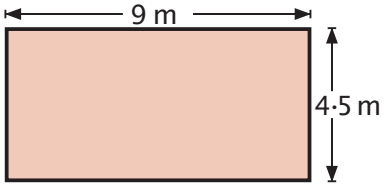
19. If there are 60 minutes in an hour, how many minutes is 4 hours ?

20. A television programme starts at 18:30 and ends at 19:05.
How long is the programme ?

21. A CD takes 45 minutes to play. I start the CD at 12:35.
At what time does it finish ?

22. If I record a 35 minute TV programme on a 2 hour recording tape, how many minutes recording time do I still have on the tape ?

23. What is the perimeter of this rectangle ?



24. If a dog walks an average speed of 4 miles per hour, how far will the dog walk in 3 hours ?

25. What is the average of 6 and 10 ?

Numeracy - Exercise 3

1. Write the number six hundred and fifty-seven in figures.

2. Write the number 703 in words.

3. What is the value of the underlined figure in this number: 9<u>8</u>13 ?

4. What is 537 + 246 ?

5. What is 16 + 27 + 48 ?

6. What is 78 − 19 ?

7. What is 453 − 371 ?

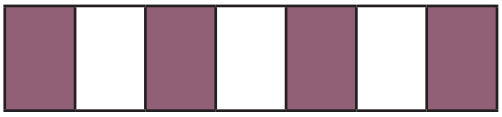
8. What is 9 × 6 ?

9. Work out 16 × 8.

10. What is 56 ÷ 7 ?

11. Work out 725 ÷ 5.

12. What fraction of the whole figure is shaded in this diagram ?



13. Write the next number in this sequence: 1, 3, 6, 10, 15, ____ .

14. Write the missing number in this sequence: 7, 18, ____ , 40.

15. Find the missing number: 36 − ☐ = 17.

16. Find the missing number: 29 + ☐ = 44.

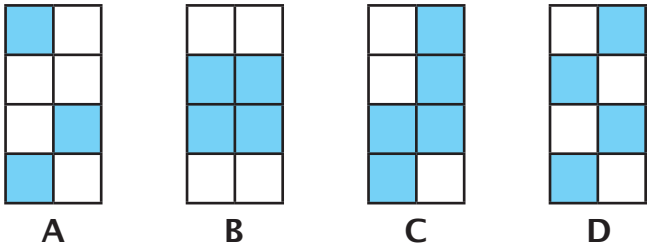
17. Find the missing number: ☐ − 7 = 61.

18. If 84% of people wear a wristwatch, what percentage do not ?

19. What is 70% as a fraction ?

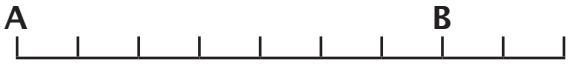
20. What is 36 + 42 − 17 ?

21. In which of the following diagrams is $\frac{5}{8}$ of the shape shaded ?



22. Write the fraction $\frac{6}{8}$ in its simplest form.

23. What fraction of the whole line is AB ?



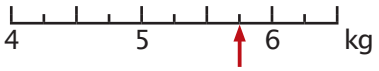
24. What fraction is 0·75 ?

25. What is 12·37 + 31·98 ?

Numeracy - Exercise 4

1. What is 3·14 + 2·52 + 1·31?

2. What is the reading in kilograms shown in this scale ?



3. Estimate the length of this line:

4. Each pace of an Egyptian warrior is 90 cm. How far does he walk, in km, when he walks 100 000 paces ?

5. What is the cost of 5 chocolate bars at 32 pence each ?

6. If you buy 3 tins of cat food for £2.16, how much did each tin cost ?

7. If Ben spends £1.47 on his lunch, how much change will he receive from £2 ?

8. How many 20 pence coins can I exchange for £3.60 ?

9. A mountain bike costs £500 plus 10% delivery charge. How much extra do you pay for the delivery charge ?

10. A personal computer costs £350. In a sale it is reduced by 20%. What is the reduction in the original price ?

11. Trisha, Stella and Vikky have lunch together and agree to share the cost equally. If lunch costs £24.99, how much should each pay ?

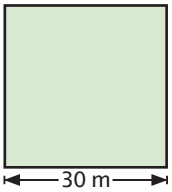
12. A metal rod is 12 cm long. A piece 1 cm 2 mm is cut off. What length of rod is left in centimetres ?

13. What is 4500 grams in kilograms ?

14. A cross-country course is 5 km. How far is this in metres ?

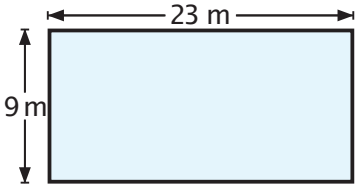
15. Over a month, a man drank 36 pints of beer. (1 gallon = 8 pints). How many gallons is this ?

16. What is the area of this square in square metres ?



17. A rectangular bowling green is 15 metres long and 12 metres wide.
What is its area in square metres ?

18. What is the perimeter of this shape ?



19. A train leaves St Pancras London at 13:20 and arrives in Sheffield at 15:35.
How many minutes did the journey take ?

20. A journey by bus takes 35 minutes. If Judith got on the bus at 14:45, at
what time does she arrive ?

21. A car travels at 60 miles per hour on a motorway.
How far has it travelled after $2\frac{1}{2}$ hours ?

22. A train covers a journey of 395 miles in 5 hours.
What is its average speed in mph ?

23. A two hour cassette tape is used to record a radio programme. If the programme
lasts 40 minutes, how much recording time is left on the cassette tape ?

24. A marathon runner runs on average at 10 mph.
How many hours will she take to run 25 miles ?

25. Three people are aged 12, 20 and 28. What is their (mean) average age ?

Numeracy Exercise 1 Answers

1. eighty-seven	**2.** 75	**3.** 6 tens or 60	**4.** 24	**5.** 18
6. 6	**7.** 22	**8.** 56	**9.** 99	**10.** $\frac{1}{5}$ or $\frac{2}{10}$
11. 32	**12.** 4	**13.** 11	**14.** 29	**15.** 9
16. $\frac{1}{3}$ or $\frac{2}{6}$	**17.** $\frac{1}{2}$	**18.** $\frac{1}{4}$	**19.** 8	**20.** 45%
21. $\frac{5}{8}$	**22.** 5·8	**23.** 6·8	**24.** 0·3	**25.** 90 km/hr

Numeracy Exercise 2 Answers

1. $\frac{1}{10}$ or 0.1	**2.** 25 kg	**3.** 6 cm	**4.** 81p	**5.** 72p
6. 8p	**7.** 43p	**8.** 24	**9.** £240	**10.** 18p
11. 49 cm²	**12.** 5000 g	**13.** 3 gallons	**14.** 7 km	**15.** 3 litres
16. 270 cm	**17.** 40 m²	**18.** 30 miles	**19.** 240 mins	**20.** 35 mins
21. 13:20	**22.** 85 mins	**23.** 27 m	**24.** 12 miles	**25.** 8

Numeracy Exercise 3 Answers

1. 657	**2.** seven hundred and three		**3.** eight hundreds or 800	
4. 783	**5.** 91	**6**. 59	**7**. 82	**8.** 54
9. 128	**10.** 8	**11.** 145	**12.** $\frac{4}{7}$	**13.** 21
14. 29	**15.** 19	**16.** 15	**17.** 68	**18.** 16%
19. $\frac{7}{10}$	**20.** 61	**21.** C	**22.** $\frac{3}{4}$	**23.** $\frac{7}{9}$
24. $\frac{3}{4}$	**25.** 44.35			

Numeracy Exercise 4 Answers

1. 6.97	**2.** 5.75 kg	**3**. 5 cm	**4.** 9 million cm or 90 km	
5. £1.60	**6.** 72p	**7.** 53p	**8.** 18	**9.** £50
10. £70	**11.** £8.33	**12.** 10.8 cm	**13.** 4.5 kg	**14.** 5000 m
15. $4\frac{1}{2}$ gallons	**16.** 900 m²	**17.** 180 m²	**18.** 64 m	**19.** 135 mins
20. 15:20	**21.** 150 miles	**22.** 79 mph	**23.** 80 mins	**24.** $2\frac{1}{2}$ hours
25. 20				