Name: _____ Date: _____

Sixth Class End of Year Maths Assessment

Rough Work

Write in numerals:

1. three hundred and twenty-five thousand, five hundred and fifty-four

_____

2. six million, seven hundred and twenty thousand, two hundred and one

_____

Write in words:

3. 726 311

_____

4. 8 257 949

_____

Complete:

5. 34 592 + 98 354 = _____

6. 685 941 + 328 937 = _____

7. 54 832 - 28 571 = _____

8. 9 368 421 - 918 813 = _____

9. Calculate the number which is 2584 less than 20 590.

Answer: _____

total for this page

10. A jeweller sold three expensive pieces of jewellery to one customer in one day. They cost €10 450, €8995 and €15 550. What was the total cost of the 3 pieces of jewellery?

Answer: _____

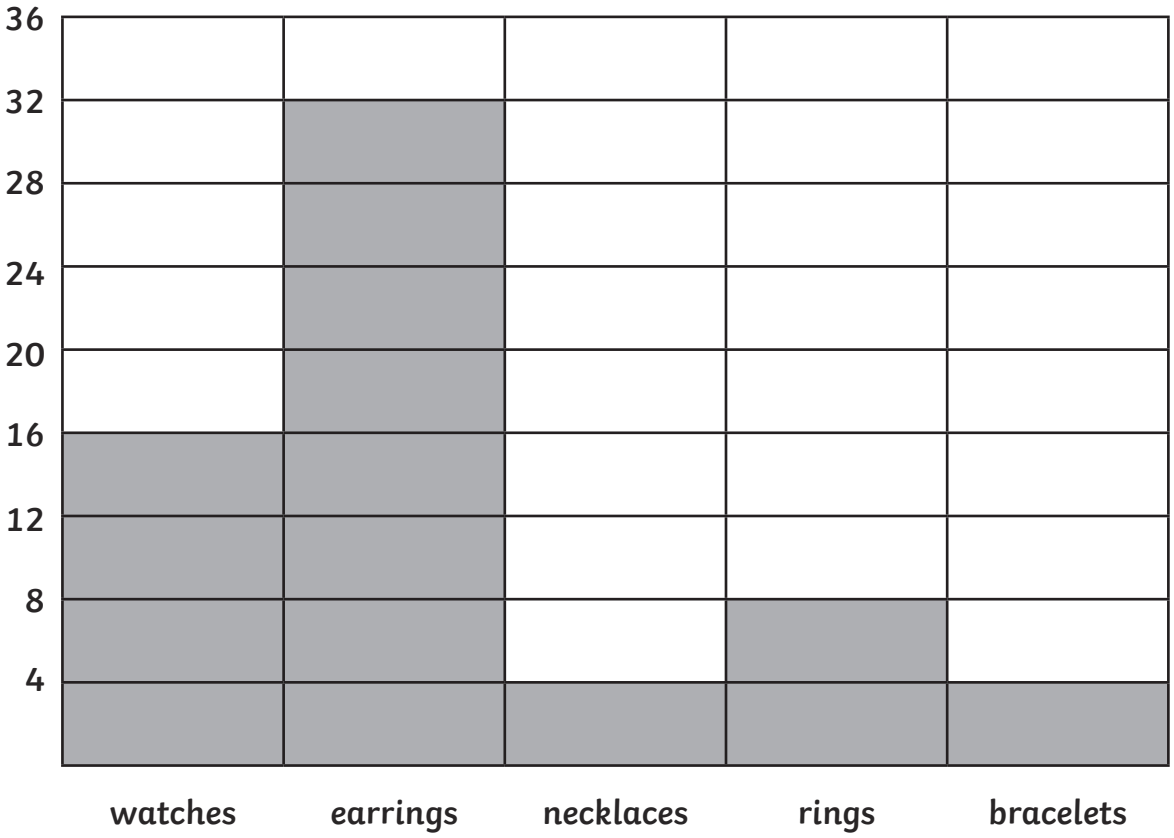
11. The jeweller decided to offer the customer 10% off the total cost of the sale. How much did the customer have to pay?

Answer: _____

12. A jeweller sold 5 watches. The watches cost €250, €60, €145, €85 and €110. What was the average cost of the watches sold?

Answer: _____

The bar chart below shows the sales in a jewellers in one day. Study the chart and then answer the questions below.



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13. Draw a pie chart to represent the information given on the bar chart.

14. Which item was the most popular? _____

15. What fraction of the items sold were rings? _____

16. What fraction of the items sold were watches? _____

Calculate:

17. 25 621 × 37

18. 351 225 × 53

19. 584.5 ×7.7

20. 362.21 × 5

total for this page

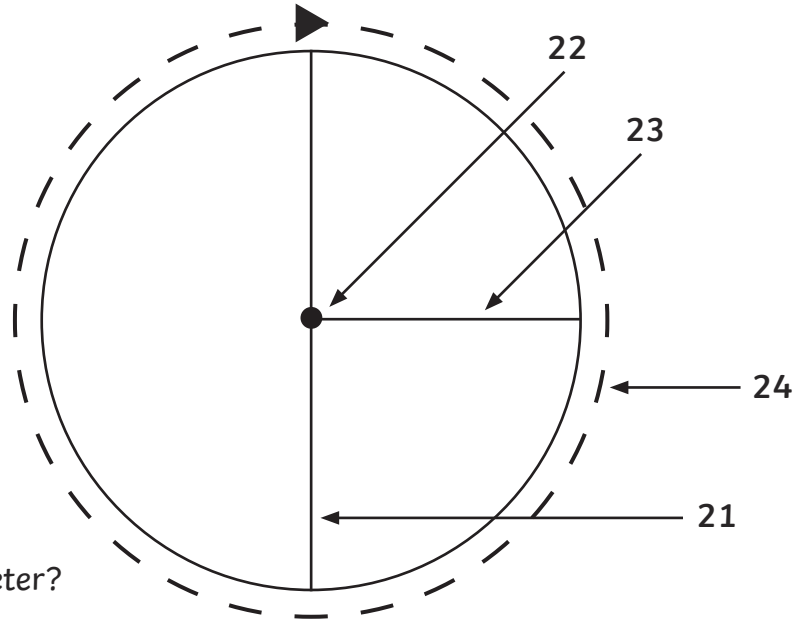
Label the circle.

21. _____

22. _____

23. _____

24. _____



25. If the radius of a circle is 4cm, what is the diameter?

_____

Draw a circle with the following:

26. a radius of 2.5cm

27. a diameter of 6cm

total for this page

28. If the diameter of a circle is 12cm, calculate the length of the circumference.

_____

Calculate.

29. 216 ÷ 9 =

_____

30. $28\overline{)924}$ **31.** $52\overline{)811.2}$ **32.** $2.2\overline{)68.2}$

Simplify.

33. $\frac{36}{40}$ = $\frac{\square}{\square}$ **34.** $\frac{75}{50}$ = $\frac{\square}{\square}$ **35.** $\frac{400}{1000}$ = $\frac{\square}{\square}$ **36.** $\frac{150}{1000}$ = $\frac{\square}{\square}$

37. Charlie spent $\frac{1}{3}$ of his money on a fidget spinner and $\frac{3}{8}$ of his money on a football. What fraction of his money did he spend?

_____

38. Brian spent $\frac{4}{9}$ of his money on a fidget spinner. That cost him €8. How much money had he at first?

_____

39. Lucy had 5 cakes at her birthday party. Each child got $\frac{1}{5}$ of a cake. How many children were at her party?

_____

total for this page

40. There are 35 children in the class. 18 are boys and 17 are girls. What is the ratio of girls to boys?

_____

Calculate:

41. €25 463.10 ÷ 7.8 = _____

42. €35 602.44 × 36 = _____

43.

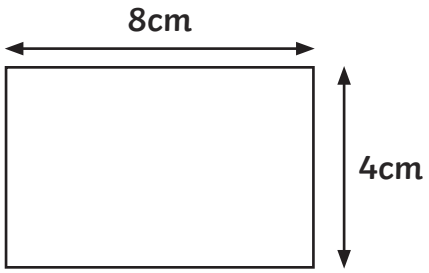
Sofa and armchair cost: €1500 (including VAT)
10% VAT: _____ Cost without VAT: _____

44. If €1 is worth £0.95, what would €50 be worth in pounds (£)?

_____

Calculate the area of the shapes below:

45.



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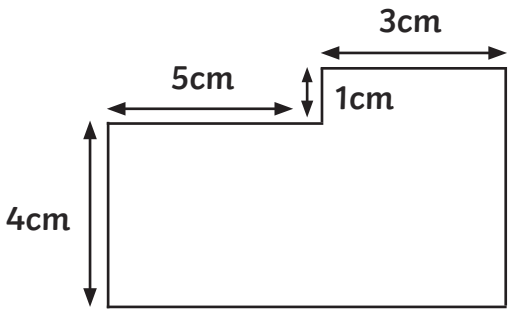
46.



_____

total for this page

47. If the area of a garden is 354 000cm^2, what is the measurement in m^2?

_____

48. Find the perimeter of a room with two sides which are 6.8m and two sides which are 5.5m.

_____

49. Calculate the perimeter of a hexagonal conservatory whose sides are 5m long.

_____

50. 6th class went on a school trip. They left the school at 8:50 a.m. They returned at 3:40 p.m. How long were they away from the school for?

_____

51. During the tour, the children had a break which lasted for $\frac{3}{4}$ of an hour. If the break finished at 1:35 p.m., what time did the break begin at?

_____

52. If a car was travelling on the motorway at 120km/h, how far would the car travel in $3\frac{1}{2}$ hours?

_____

53. What is the average speed per hour of a lorry that travelled 50km in 20 minutes?

_____

total for this page

The sheet below shows the transactions in Zoe's bank account for the month of March. Her opening balance was €0. Calculate the new balance after each transaction.

	Date	Transaction	Amount	Balance
54.	1st April	deposit	+€50	
55.	10th April	withdrawal	-€30	
56.	15th April	withdrawal	-€25	
57.	24th April	deposit	+€100	
58.	30th April	withdrawal	-€25	

59. An unexpected snowstorm caused temperatures to drop by 5 degrees. The temperature before the drop was 2 degrees. What was the temperature during the snowstorm?

_____

60. Simon jumped into a pool from a diving board. The height of the diving board was 6 metres. He jumped to a depth of 3 metres below the water. What distance did Simon drop?

_____

Find the value of x.

61. $2 \times 10 = x \times 4$

x = _____

62. $\frac{75}{50} = 12$

x = _____

63. $x \div 4 = 20$

x = _____

Using the facts x = 5 y =12, calculate:

64. x + y = _____

65. 3x - y = _____

66. $\frac{75}{50} + 5x =$ _____

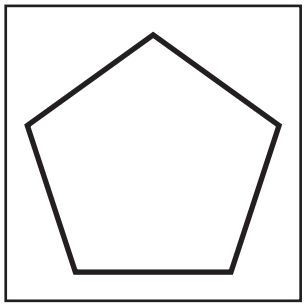
67. $8 + 13 + 17 \times 5 =$ _____

68. $8 + 12 \div 2 \times 2 =$ _____

total for this page

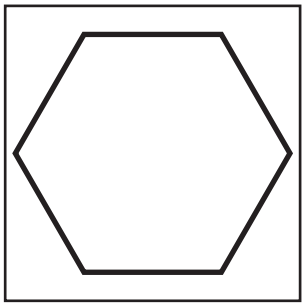
Name the 2D shapes:

69.



_____

70.



_____

Construct:

71. a triangle which has one 90° angle and 2 lines which are the same length

total for this page

72. A triangle which has one side measuring 4.5cm, one side measuring 5cm and angle of 120°.

Calculate the volume of the following cuboids:

73.

Length	7cm
Width	10cm
Height	9cm
Volume	

74.

Length	9cm
Width	3cm
Height	5cm
Volume	

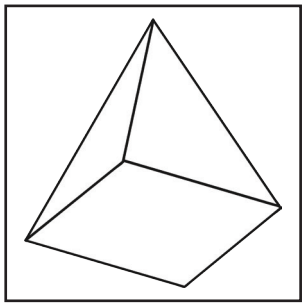
75.

Length	6cm
Width	9.5cm
Height	5cm
Volume	

total for this page

Name the 3D shapes:

76.



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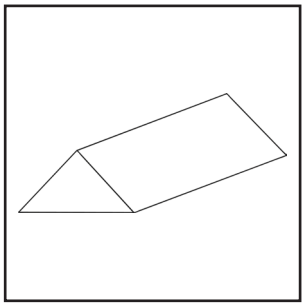
77.



_____

78. A builder puts 5 boxes of cement onto a crane lift. Each box of cement bricks weighs 225.5kg. Will the 5 boxes exceed the cranes lifting limit of 1000kg per load?

_____

79. Katie ran 5.5km. Her sister ran 3 times the distance Katie ran. How far did Katie's sister run?

_____

80. Which is greater?

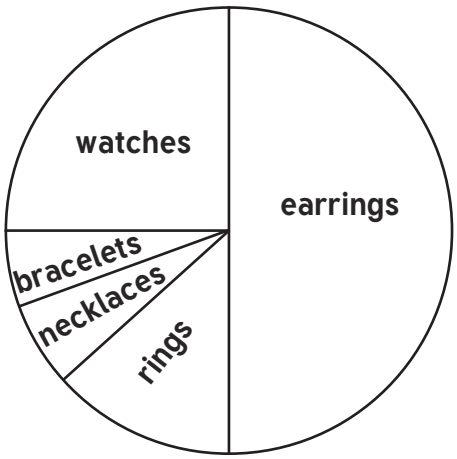
$\frac{3}{4} \times \frac{3}{4}$ or $\frac{3}{4} + \frac{3}{4}$

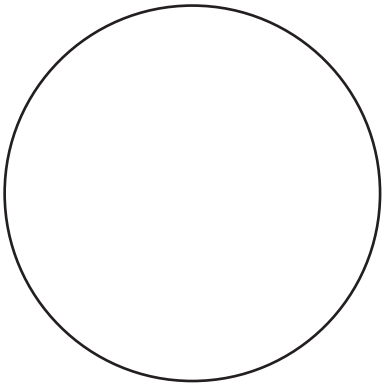
_____

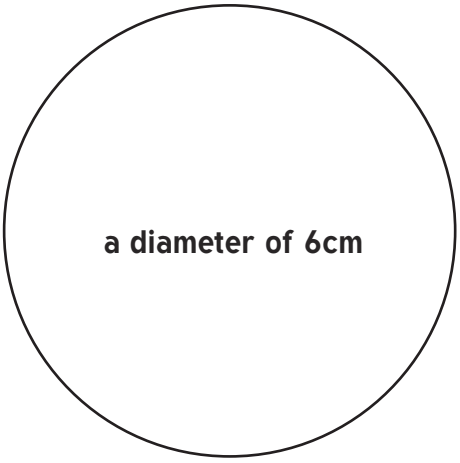
total for this page

END OF TEST

80

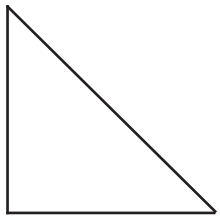
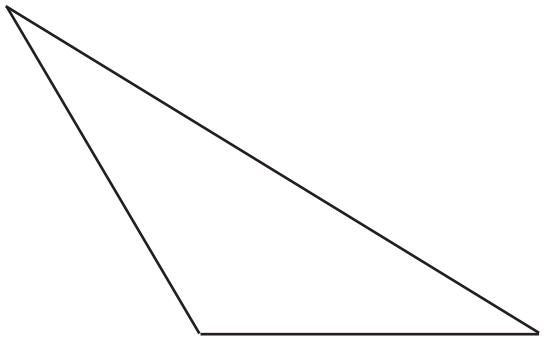
Questions	Answers
1	**325 554**
2	**6 720 201**
3	**seven hundred and twenty-six thousand, three hundred and eleven**
4	**eight million, two hundred and fifty-seven thousand, nine hundred and forty-nine**
5	**132 946**
6	**1 014 878**
7	**26 261**
8	**8 449 608**
9	**18 006**
10	**€34 995**
11	**€31 495.50**
12	**€130**
13	

Questions	Answers
14	**earrings**
15	$\frac{1}{8}$
16	**25%**
17	**947 977**
18	**18 614 925**
19	**4500.65**
20	**1811.05**
21	**diameter**
22	**centre point**
23	**radius**
24	**circumference**
25	**8cm**
26	**a radius of 2.5cm** 

Questions	Answers
27	
28	**37.68cm**
29	**24**
30	**33**
31	**15.6**
32	**31**
33	$\frac{9}{10}$
34	$1\frac{1}{2}$
35	$\frac{2}{5}$
36	$\frac{3}{20}$
37	$\frac{17}{24}$

Questions	Answers
38	**€18**
39	**25**
40	**17:18**
41	**€3264.50**
42	**€1 281 687.84**
43	**10% VAT: €150** **cost without VAT: €1350**
44	**£47.50**
45	**32cm²**
46	**35cm²**
47	**3540cm²**
48	**24.6m**
49	**30m**
50	**6 hours 50 minutes**
51	**ten to one or 12:50 a.m.**
52	**420km**
53	**150km**
54	**+€50**

Questions	Answers
55	**+€20**
56	**–€5**
57	**+€95**
58	**+€70**
59	**–3 degrees**
60	**9 metres**
61	**5**
62	**108**
63	**80**
64	**17**
65	**3**
66	**25 $\frac{1}{6}$**
67	**106**
68	**5**
69	**pentagon**
70	**hexagon**

Questions	Answers
71	
72	
73	**630cm³**
74	**135cm³**
75	**285cm³**
76	**square-based pyramid**
77	**triangular prism**
78	**yes**
79	**16.5km**
80	$\frac{3}{4} + \frac{3}{4}$