6.1 Shape and Simple Fractions: 1-hour Pack

STA NC-KS1-MATHS-STA · Calculators not allowed · about 60 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Find a quarter of 16 cm.

Answer: ___ cm

(1)

---

2 Here are some flat shapes: pentagon, pentagon, triangle, circle, circle.

How many of the shapes has no corners?

Answer: ___

(1)

---

3 Here are some flat shapes: circle, hexagon, rectangle, circle, rectangle.

How many of the shapes has exactly 4 corners?

Answer: ___

(1)

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4 Here are some flat shapes: octagon, circle, square, hexagon, circle, triangle.

How many of the shapes has 3 corners?

Answer: ___

(1)

---

5 Find a quarter of 28 kg.

Answer: ___ kg

(1)

---

6 Find a half of 8 cm.

Answer: ___ cm

(1)

---

7 Is a dice a 2D shape or a 3D shape?

Answer: ___

(1)

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8 Look at the pattern. What comes next?

circle, square, triangle, circle, square, triangle, circle, square, triangle, circle, square, ___

Answer: ___

(1)

---

9 Here are some flat shapes: circle, square, rectangle, octagon, square, square.

How many of the shapes has more than 4 sides?

Answer: ___

(1)

---

10 Find a quarter of 20 litres.

Answer: ___ litres

(1)

---

11 How many halves are there in 4 cakes? (All the cakes are cut into halves.)

Answer: ___

(1)

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12 How many halves are there in 4 apples? (All the apples are cut into halves.)

Answer: ___

(1)

---

13 Here are some flat shapes: circle, hexagon, square, square, hexagon, circle, rectangle.

How many of the shapes has 4 sides?

Answer: ___

(1)

---

14 Here are some flat shapes: triangle, hexagon, circle, rectangle, square, triangle, octagon.

How many of the shapes has exactly 4 corners?

Answer: ___

(1)

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15 Here are some flat shapes: rectangle, circle, hexagon, triangle, pentagon, square, triangle.

How many of the shapes has fewer than 5 corners?

Answer: ___

(1)

---

16 Here are some flat shapes: hexagon, circle, octagon, triangle, octagon, octagon.

How many of the shapes has 3 corners?

Answer: ___

(1)

---

17 Here are some flat shapes: pentagon, rectangle, circle, rectangle, octagon.

How many of the shapes has fewer than 5 corners?

Answer: ___

(1)

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18 Here are some flat shapes: circle, circle, triangle, hexagon, rectangle, hexagon, hexagon.

How many of the shapes has fewer than 5 corners?

Answer: ___

(1)

---

19 Find a half of 2.

Answer: ___

(1)

---

20 Here are some flat shapes: circle, triangle, circle, rectangle, pentagon, circle, hexagon.

How many of the shapes has more than 4 sides?

Answer: ___

(1)

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21 Here are some flat shapes: hexagon, triangle, rectangle, octagon, pentagon, hexagon.

How many of the shapes has more than 4 sides?

Answer: ___

(1)

---

22 Find a half of 4p.

Answer: ___ p

(1)

---

23 Is a drawn square a 2D shape or a 3D shape?

Answer: ___

(1)

---

24 Here are some flat shapes: octagon, octagon, square, square, circle.

How many of the shapes has more than 4 sides?

Answer: ___

(1)

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25 Here are some flat shapes: rectangle, pentagon, pentagon, rectangle, triangle, rectangle, hexagon.

How many of the shapes has 4 sides?

Answer: ___

(1)

---

26 Look at the pattern. What comes next?

triangle, circle, triangle, circle, triangle, circle, triangle, ___

Answer: ___

(1)

---

27 Find a quarter of 36 kg.

Answer: ___ kg

(1)

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28 Here are some flat shapes: rectangle, rectangle, hexagon, pentagon, circle, rectangle, pentagon.

How many of the shapes has 4 sides?

Answer: ___

(1)

---

29 Here are some flat shapes: triangle, hexagon, triangle, octagon, rectangle.

How many of the shapes has fewer than 5 corners?

Answer: ___

(1)

---

30 Here are some flat shapes: pentagon, octagon, square, octagon, circle.

How many of the shapes has more than 4 sides?

Answer: ___

(1)

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31 Is a party hat a 2D shape or a 3D shape?

Answer: ___

(1)

---

32 Here are some flat shapes: triangle, hexagon, circle, pentagon, pentagon, octagon, square.

How many of the shapes has 4 sides?

Answer: ___

(1)

---

33 Find a quarter of 24 cm.

Answer: ___ cm

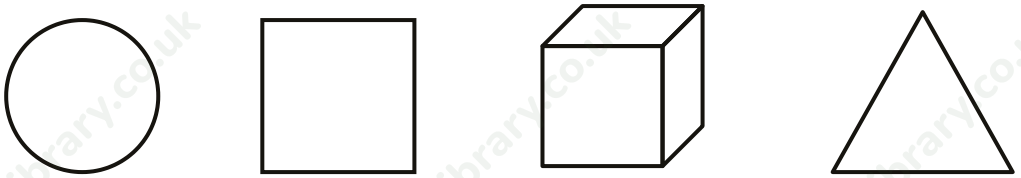
(1)

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34 Four shapes are shown: a circle, a square, a cube and a triangle.

One of these shapes does not belong with the others.

Write the shape that does not belong, and write one reason why.





(2)

---

35 Here are some flat shapes: octagon, circle, triangle, rectangle, rectangle.

How many of the shapes has 4 sides?

Answer: ___

(1)

---

36 Find a half of 6.

Answer: ___

(1)

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37 Here are some flat shapes: circle, octagon, octagon, pentagon, square, rectangle.

How many of the shapes has no corners?

Answer: ___

(1)

---

38 Here are some flat shapes: hexagon, circle, hexagon, square, square, rectangle.

How many of the shapes has 4 sides?

Answer: ___

(1)

---

39 Find a half of 18 litres.

Answer: ___ litres

(1)

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40 Here are some flat shapes: hexagon, circle, circle, triangle, square, octagon, triangle.

How many of the shapes has exactly 4 corners?

Answer: ___

(1)

---

41 Look at the cuboid below (like a box of tissues).



(a) How many flat faces does the cuboid have? **(1)**

(b) How many corners (vertices) does the cuboid have? **(1)**

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Mark scheme · 6.1 Shape and Simple Fractions: 1-hour Pack

Question 1

4 cm cao **B1**

Answer: **4 cm**

Question 2

2 cao **B1**

Answer: **2**

Question 3

2 cao **B1**

Answer: **2**

Question 4

1 cao **B1**

Answer: **1**

Question 5

7 kg cao **B1**

Answer: **7 kg**

Question 6

4 cm cao **B1**

Answer: **4 cm**

Question 7

3D cao **B1**

Answer: **3D**

Question 8

triangle cao **B1**

Answer: **triangle**

Question 9

1 cao **B1**

Answer: **1**

Question 10

5 litres cao **B1**

Answer: **5 litres**

Question 11

8 cao **B1**

Answer: **8**

Question 12

8 cao **B1**

Answer: **8**

Question 13

3 cao **B1**

Answer: **3**

Question 14

2 cao **B1**

Answer: **2**

Question 15

5 cao **B1**

Answer: **5**

Question 16

1 cao **B1**

Answer: **1**

Question 17

3 cao **B1**

Answer: **3**

Question 18

4 cao **B1**

Answer: **4**

Question 19

1 cao **B1**

Answer: **1**

Question 20

2 cao **B1**

Answer: **2**

Question 21

4 cao **B1**

Answer: **4**

Question 22

2p cao **B1**

Answer: **2p**

Question 23

2D cao **B1**

Answer: **2D**

Question 24

2 cao **B1**

Answer: **2**

Question 25

3 cao **B1**

Answer: **3**

Question 26

circle cao **B1**

Answer: **circle**

Question 27

9 kg cao **B1**

Answer: **9 kg**

Question 28

3 cao **B1**

Answer: **3**

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Question 29

3 cao **B1**

Answer: **3**

Question 30

3 cao **B1**

Answer: **3**

Question 31

3D cao **B1**

Answer: **3D**

Question 32

1 cao **B1**

Answer: **1**

Question 33

6 cm cao **B1**

Answer: **6 cm**

Question 34

cube identified (also accept circle, if the reason given is that it has no straight sides or no corners) **B1**

correct reason given oe, e.g. it is a solid (3-D) shape while the others are flat (2-D) shapes; or, for circle, it is the only shape with a curved side and no corners **B1**

Answer: **The cube does not belong, because it is a 3-D (solid) shape, while the circle, square and triangle are all 2-D (flat) shapes. (Also accept: the circle, because it is the only shape with no straight sides or corners.)**

Question 35

2 cao **B1**

Answer: **2**

Question 36

3 cao **B1**

Answer: **3**

Question 37

1 cao **B1**

Answer: **1**

Question 38

3 cao **B1**

Answer: **3**

Question 39

9 litres cao **B1**

Answer: **9 litres**

Question 40

1 cao **B1**

Answer: **1**

Question 41

(a) 6 cao **B1**

(a) Answer: **6**

(b) 8 cao **B1**

(b) Answer: **8**

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