Year 6 Spring 1 Maths Activity Mat 1

Section 1

Order the following numbers from smallest to largest:

49 944	44 949	49 494	44 499	49 449

smallest largest

Section 2

Here are some estimated answers to some calculations. Tick the reasonable estimates.

- ☐ 324 × 5 ≈ 1600
- ☐ 5069 + 2962 ≈ 7000
- ☐ 818 ÷ 4 ≈ 200

Section 3

A farmer picks 97 apples. He sells them in boxes of 12. How many boxes can he fill from the 97 apples?

☐

Section 4

Simplify the following fractions:

$\frac{2}{6}$ = ☐ $\frac{4}{8}$ = ☐

Section 5

Calculate:

0.3 × 10 = ☐

0.6 × 10 = ☐

0.5 × 10 = ☐

Section 6

Convert the following:

1kg = _____g

_____kg = 2000g

Section 7

Write a description of a cylinder.

_____

_____

_____

_____

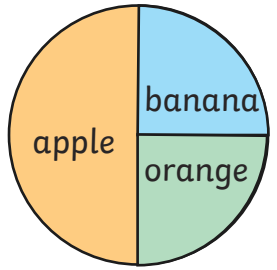
_____

_____

_____

Section 8

Some children research children's favourite fruit. They show the results in a pie chart.



32 children were asked about their favourite fruit. How many children chose each fruit?

Apple ☐, Banana ☐, Orange ☐

Year 6 Spring 1 Maths Activity Mat 1 - Answers

Section 1

Order the following numbers from smallest to largest:

49 944	44 949	49 494	44 499	49 449

44 499	44 949	49 449	49 494	49 944

smallest largest

Section 2

Here are some estimated answers to some calculations. Tick the reasonable estimates.

- [x] 324 × 5 ≈ 1600
- [ ] 5069 + 2962 ≈ 7000
- [x] 818 ÷ 4 ≈ 200

Section 3

A farmer picks 97 apples. He sells them in boxes of 12. How many boxes can he fill from the 97 apples?

8

Section 4

Simplify the following fractions:

$\frac{2}{6} = \frac{1}{3}$ $\frac{4}{8} = \frac{1}{2}$

Section 5

Calculate:

0.3 × 10 = 3

0.6 × 10 = 6

0.5 × 10 = 5

Section 6

Convert the following:

1kg = 1000g

2kg = 2000g

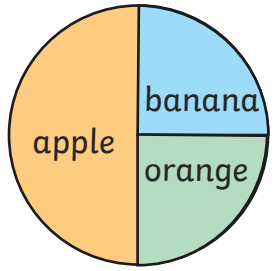
Section 7

Write a description of a cylinder.

A cylinder has two faces that are circles and a curved face that joins each circle face. One circle is at the base of the shape, with the other circle immediately above the base, parallel to the base. Between the circlular faces is a curved surface, with circular edges joining the two circle faces.

Section 8

Some children research children's favourite fruit. They show the results in a pie chart.



32 children were asked about their favourite fruit. How many children chose each fruit?

Apple 16, Banana 8, Orange 8

Year 6 Spring 1 Maths Activity Mat 1

Section 1

Order the following numbers from smallest to largest:

494 944 **494 494** **449 494** **449 944** **494 499**

smallest largest

Section 2

Here are some estimated answers to some calculations. Tick the reasonable estimates.

☐ 647 × 12≈ 8000

☐ 35 819 - 26 756≈ 9000

☐ 357 ÷ 6≈ 50

Explain why any estimates are unreasonable.

Section 3

A farmer picks 237 apples. He packs them in boxes of 15 apples. How many boxes can he fill from 237 apples?

☐

Section 4

Simplify the following fractions:

$\frac{3}{12}$ = ☐ $\frac{6}{12}$ = ☐

Section 5

Calculate:

0.2 × 100 = ☐

0.8 × 100 = ☐

0.3 × 100 = ☐

Section 6

Convert the following:

0.4kg = _____g

_____kg = 1700g

Section 7

Write a description of a square-based pyramid.

_____

_____

_____

_____

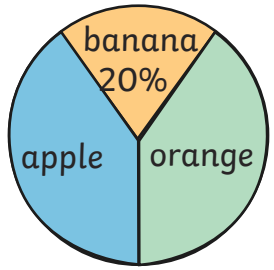
_____

_____

_____

Section 8

Some children research children's favourite fruit. They show the results in a pie chart.



30 children were asked about their favourite fruit. How many children chose each fruit?

Apple ☐, Banana ☐, Orange ☐

Year 6 Spring 1 Maths Activity Mat 1 - Answers

Section 1

Order the following numbers from smallest to largest:

494 944	494 494	449 494	449 944	494 499

449 494	449 944	494 494	494 499	494 944

smallest largest

Section 2

Here are some estimated answers to some calculations. Tick the reasonable estimates.

- ☑ 647 × 12≈ 8000
- ☑ 35 819 - 26 756≈ 9000
- ☐ 357 ÷ 6≈ 50 357 ÷ 6 ≈ 60 is a much more reasonable estimate.

Explain why any estimates are unreasonable.

Section 3

A farmer picks 237 apples. He packs them in boxes of 15 apples. How many boxes can he fill from 237 apples?

15

Section 4

Simplify the following fractions:

$\frac{3}{12}$ = $\frac{1}{4}$ $\frac{6}{12}$ = $\frac{1}{2}$

Section 5

Calculate:

0.2 × 100 = 20

0.8 × 100 = 80

0.3 × 100 = 30

Section 6

Convert the following:

0.4kg = 400g

1.7kg = 1700g

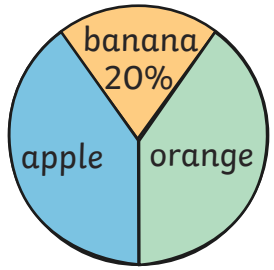
Section 7

Write a description of a square-based pyramid.

A square-based pyramid has one square face and four triangular faces. The square face is at the base of the shape. One triangle meets each edge of the square, and one edge of each triangle meets the adjacent edge of the next triangle. The four meet at a point called the apex.

Section 8

Some children research children's favourite fruit. They show the results in a pie chart.



30 children were asked about their favourite fruit. How many children chose each fruit?

Apple 12, Banana 6, Orange 12

Year 6 Spring 1 Maths Activity Mat 1

Section 1

Order the following numbers from smallest to largest:

494 449	449 949	494 949	449 499	494 944

smallest largest

Section 2

Here are some estimated answers to some calculations. Tick the reasonable estimates.

- ☐ 351 × 22≈ 7000
- ☐ 7 902 814 - 4 206 394≈ 3700 000
- ☐ 8024 ÷ 40≈ 200

Explain your answers.

Section 3

A farmer picks 428 apples. He packs them in boxes of 15 apples. How many more apples are needed to fill 30 boxes?

☐

Section 4

Simplify the following fractions:

$\frac{6}{30}$ = ☐ $\frac{24}{32}$ = ☐

Section 5

Calculate:

0.9 × 100 = ☐

0.3 × 1000 = ☐

0.7 × 1100 = ☐

Section 6

Convert the following:

2g = _____kg

_____g = 0.45kg

Section 7

Write a description of a tetrahedron.

_____

_____

_____

_____

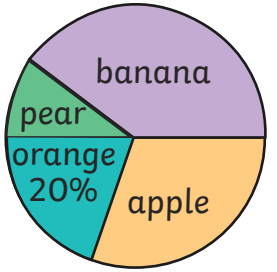
_____

_____

_____

Section 8

Some children research children's favourite fruit. They show the results in a pie chart.



30 children were asked about their favourite fruit. How many children chose each fruit?

Apple ☐ Pear ☐

Banana ☐ Orange ☐

Year 6 Spring 1 Maths Activity Mat 1 - Answers

Section 1

Order the following numbers from smallest to largest:

494 449	449 949	494 949	449 499	494 944

449 499	449 949	494 449	494 944	494 949

smallest largest

Section 2

Here are some estimated answers to some calculations. Tick the reasonable estimates.

351×22≈7000 no, 350×20=7000 so 750×22=7700, so 7500-7700 is a better estimate

7 902 814-4206 394≈3700 000, yes 7.9 million –4.2 million ≈ 3.7 million

8024÷40≈200 yes 8024÷4≈2000 so estimate is reasonable.

Section 3

A farmer picks 428 apples. He packs them in boxes of 15 apples. How many more apples are needed to fill 30 boxes?

22

Section 4

Simplify the following fractions:

$\frac{6}{30} = \boxed{\frac{1}{5}}$ $\frac{24}{32} = \boxed{\frac{3}{4}}$

Section 5

Calculate:

0.9 × 100 = 90

0.3 × 1000 = 300

0.7 × 1100 = 770

Section 6

Convert the following:

2g =0.002kg

450g = 0.45kg

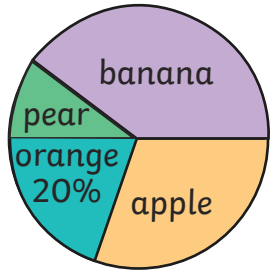
Section 7

Write a description of a tetrahedron.

A tetrahedron has four triangular faces. One triangle is the base of the shape. At each edge of the base triangle, one edge of one of the other three triangles is attached. One edge of each of these triangles meet the adjacent edge of the next triangle. The three meet at a point.

Section 8

Some children research children's favourite fruit. They show the results in a pie chart.



30 children were asked about their favourite fruit. How many children chose each fruit?

Apple 9 Pear 3

Banana 12 Orange 6