Year 6 Maths Activity Mat

Section 1

What is the value of the digit in the ten thousands place in the number 492 308?

Section 2

A cinema sells 873 tickets. 237 are adult tickets, 174 are student tickets. The rest are child tickets. How many child tickets are sold?

Section 3

Calculate:

9 | 3   7   4   4

Section 4

Use <, =, or > to compare these fractions:

$\frac{6}{5}$		$\frac{11}{10}$
$\frac{13}{6}$		$\frac{8}{3}$
$\frac{3}{2}$		$\frac{6}{4}$

Section 5

Calculate

0.3 x 4 =

0.6 x 2 =

0.4 x 6 =

Section 6

5 miles is 8 km

How many kilometres in 15 miles?
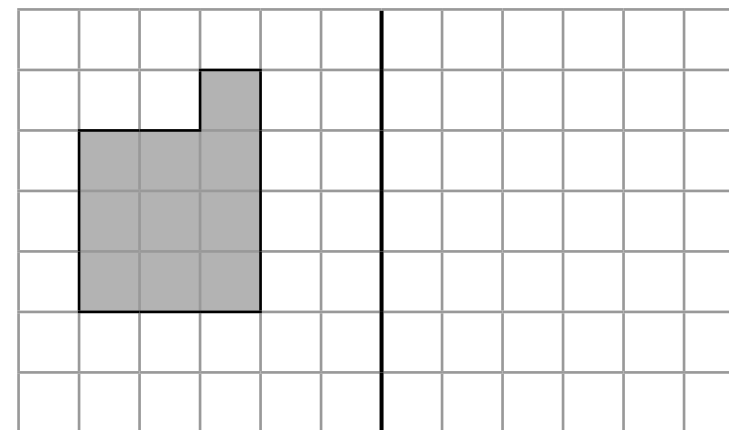
Section 7

Name this shape:

Section 8

Reflect this shape about the thick black vertical line.

Year 6 Maths Activity Mat: 2

Answers

Section 1

What is the value of the digit in the ten thousands place in the number 492 308?

90 000

Section 2

A cinema sells 873 tickets. 237 are adult tickets, 174 are student tickets. The rest are child tickets. How many child tickets are sold?

462

Section 3

Calculate:

```
      4   1   6
  ┌─────────────
9 │ 3   7   4   4
```

Section 4

Use <, =, or > to compare these fractions:

$\frac{6}{5}$	>	$\frac{11}{10}$
$\frac{13}{6}$	<	$\frac{8}{3}$
$\frac{3}{2}$	=	$\frac{6}{4}$

Section 5

Calculate

0.3 x 4 = **1.2**

0.6 x 2 = **1.2**

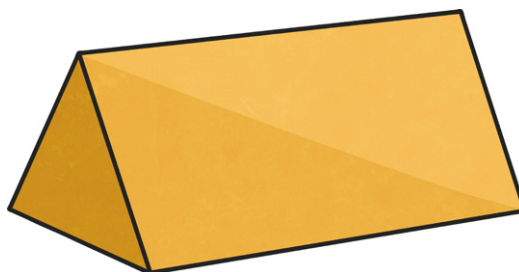0.4 x 6 = **2.4**

Section 6

5 miles is 8 km

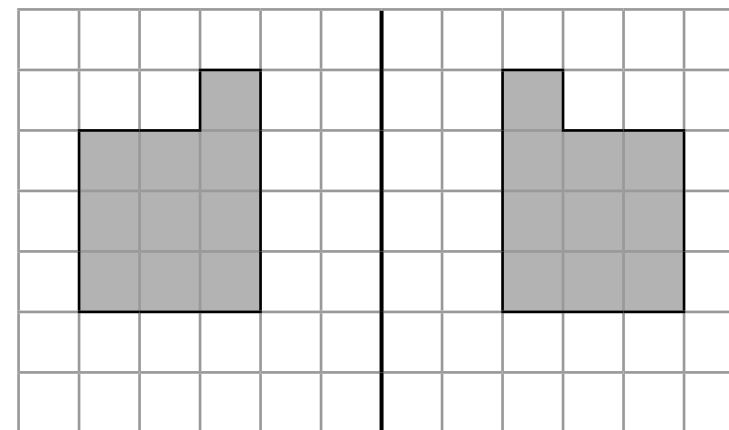How many kilometres in 15 miles?

24km

Section 7

Name this shape:

triangular prism

Section 8

Reflect this shape about the thick black vertical line.

Year 6 Maths Activity Mat

Section 1

What is the value of the digit in the hundred thousands place in 3 409 125?

Section 2

A cinema sells 1967 tickets. There are adult and child tickets. 785 more adult tickets than child tickets are sold. How many adult tickets are sold?

Section 3

Calculate:

$$1 \quad 4 \, \overline{\vert \, 8 \quad 7 \quad 3 \quad 6}$$

Section 4

Use <, =, or > to compare these fractions:

$\frac{5}{4}$		$\frac{3}{2}$
$\frac{14}{6}$		$\frac{7}{3}$
$\frac{9}{2}$		$\frac{25}{6}$

Section 5

Calculate

$0.04 \times 7 =$

$0.05 \times 4 =$

$0.06 \times 8 =$

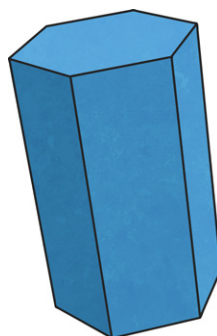## Section 6

5 miles is 8 km

How many kilometres in 125 miles?
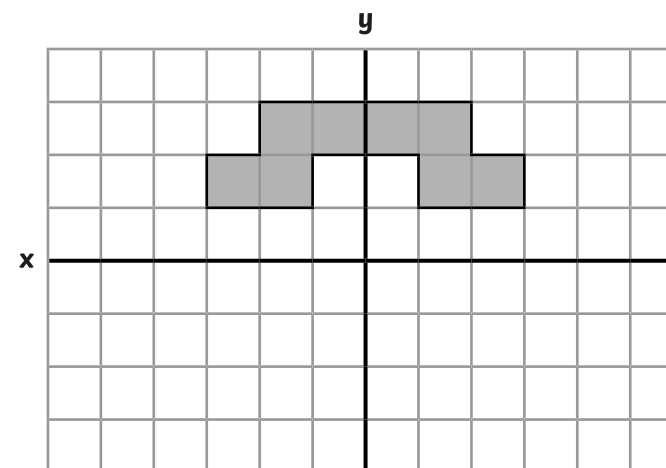
Section 7

Name this shape:

Section 8

Reflect this shape about the x axis.

Year 6 Maths Activity Mat: 2

Answers

Section 1

What is the value of the digit in the hundred thousands place in 3 409 125?

400 000

Section 2

A cinema sells 1967 tickets. There are adult and child tickets. 785 more adult tickets than child tickets are sold. How many adult tickets are sold?

1376

Section 3

Calculate:

```
          6   2   4
  1   4 | 8   7   3   6
```

Section 4

Use <, =, or > to compare these fractions:

$\frac{5}{4}$	<	$\frac{3}{2}$
$\frac{14}{6}$	=	$\frac{7}{3}$
$\frac{9}{2}$	>	$\frac{25}{6}$

Section 5

Calculate

$0.04 \times 7 =$ 0.28

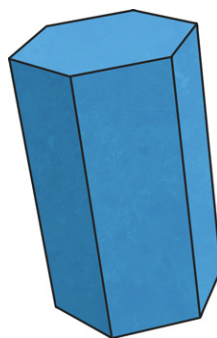$0.05 \times 4 =$ 0.2

$0.06 \times 8 =$ 0.48

Section 6

5 miles is 8 km

How many kilometres in 125 miles?

200km

Section 7

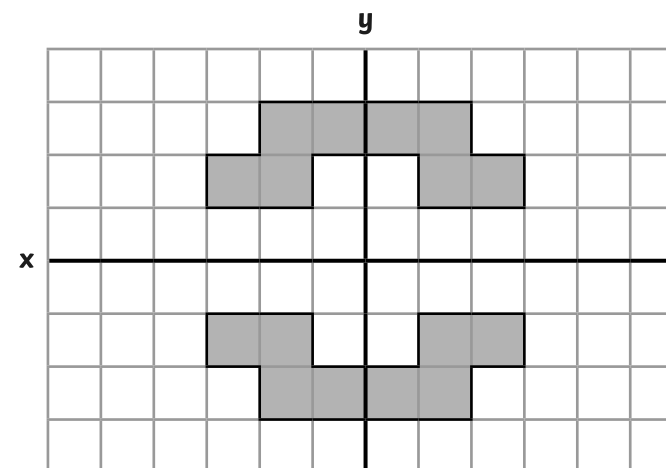Name this shape:

hexagonal prism

Section 8

Reflect this shape about the x axis.

Year 6 Maths Activity Mat

Section 1

Write a number that is more than one million, where the sum of the ten thousands and ones digit is the same as the sum of the hundred thousands and tens digit.

Section 2

A cinema sells 2937 tickets. 552 are student tickets. The rest are adult and child tickets. Exactly twice as many adult tickets than child tickets are sold. How many adult tickets are sold?

Section 3

Find the missing numbers:

2   2   0   8

2 ☐ | 4 ☐ 8 ☐

Section 4

Use <, =, or > to compare these fractions:

$\frac{9}{5}$		$\frac{3}{2}$
$\frac{11}{4}$		$\frac{7}{3}$
$\frac{17}{2}$		$\frac{68}{8}$

Section 5

Calculate

$0.3 \times 0.3 =$ ☐

$0.4 \times 0.02 =$ ☐
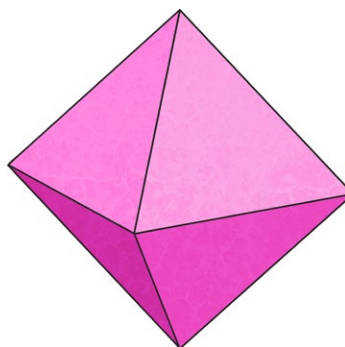
$0.09 \times 0.06 =$ ☐

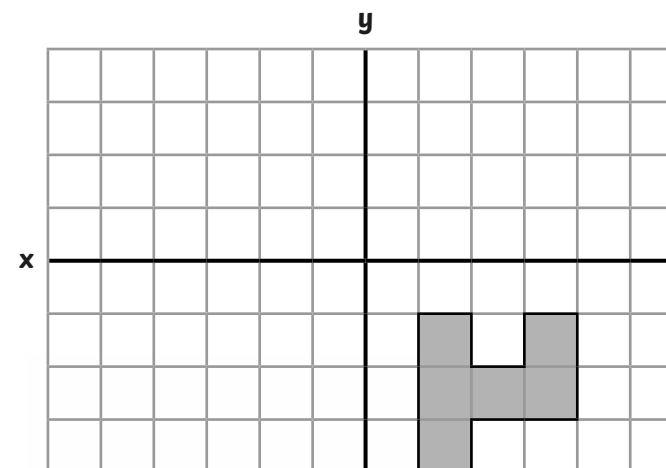## Section 6

5 miles is 8 km

How many metres in 2.5 miles?

Section 7

Name this shape:

Section 8

Rotate this shape 180° clockwise about point (0,0).

Year 6 Maths Activity Mat: 2

Answers

Section 1

Write a number that is more than one million, where the sum of the ten thousands and ones digit is the same as the sum of the hundred thousands and tens digit.

> **Any number meeting the criteria: E.g. 1 372 084**

Section 2

A cinema sells 2937 tickets. 552 are student tickets. The rest are adult and child tickets. Exactly twice as many adult tickets than child tickets are sold. How many adult tickets are sold?

> **1590**

Section 3

Find the missing numbers:

		2	0	8	
2	**3**	4	**7**	8	**4**

Section 4

Use <, =, or > to compare these fractions:

$\frac{9}{5}$	>	$\frac{3}{2}$
$\frac{11}{4}$	>	$\frac{7}{3}$
$\frac{17}{2}$	=	$\frac{68}{8}$

Section 5

Calculate

$0.3 \times 0.3 =$ **0.09**

$0.4 \times 0.02 =$ **0.008**
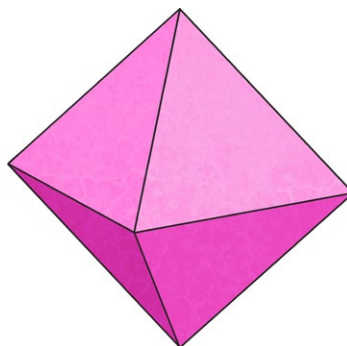
$0.09 \times 0.06 =$ **0.0054**

Section 6

5 miles is 8 km

How many metres in 2.5 miles?

> **4000m**

Section 7

Name this shape:

> **octahedron**

Section 8

Rotate this shape 180° clockwise about point (0,0).