

WORKSHEET - NAPLAN Year 7

Number and Algebra Fractions, Decimals and Percentages

Teacher: Alex Latham

Exam Equivalent Time: 10 minutes (based on NAPLAN allocation of ~1.25 min/mark)



Questions

1. ✖ Number and Algebra, NAP-71743

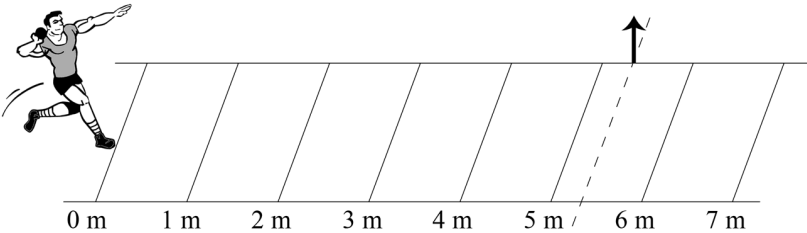
4.25, 4.0, 3.75, 3.5, 3.25, ...

What is the rule to continue this decimal number pattern?

- ☐ increase by 0.5
☐ increase by 0.25
☐ decrease by 0.5
☐ decrease by 0.25

2. ✖ Number and Algebra, NAP-36391

Riley threw a shotput in the school athletics carnival and landed it where the marker is shown below.



Which of these is closest to the length of his throw?

- $4\frac{2}{3}\text{m}$ $5\frac{1}{3}\text{m}$ $5\frac{1}{2}\text{m}$ $5\frac{2}{3}\text{m}$
☐ ☐ ☐ ☐

3. ✖ Number and Algebra, NAP-36393

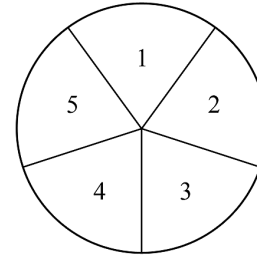
Missy has \$5.40 and bought a cup of coffee that cost her \$4.85.

How much money does she have left?

- \$0.55 \$1.45 \$1.55 \$10.25
☐ ☐ ☐ ☐

4. ✖ Number and Algebra, NAP-59915

A circle is divided into 5 equal areas and labelled, as shown in the diagram below.



What percentage of the circle's area has been labelled with an odd number?

- 3% 15% 30% 40% 60%
☐ ☐ ☐ ☐ ☐

5. ✖ Number and Algebra, NAP-83433

Patrick gets \$7.35 in pocket money each week.

He does extra jobs one week and earns \$4.75 more.

How much money did Patrick receive in total in the week?

- \$11.00 \$11.10 \$12.00 \$12.10
☐ ☐ ☐ ☐

6. ☒ Number and Algebra, NAP-36394

Muriel made a batch of cookies.



Each cookie had 4 chocolate chips and 3 jelly snakes on it.

Muriel used 39 jelly snakes in the batch of cookies.

How many chocolate chips did she use?

- 13** **26** **39** **52** **78**
- ☐ ☐ ☐ ☐ ☐

7. ☒ Number and Algebra, NAP-83465

Bernard bought 4 tennis balls for \$24.80.

What was the cost of 1 tennis ball.

\$

8. ☒ Number and Algebra, NAP-53999

Peter is selling tickets for a raffle.

Each ticket costs \$1.50.

Peter sells a total of 60 tickets.

How much money does Peter collect for selling the tickets?

\$