Mathematics

Expressions, equations and inequalities
Inequalities

Independent Task

Ms Jones

Try this

Which of the cards below could you place in the inequality?

$$0 \; < \; \boxed{} \; - \; \boxed{}$$

| 1 | 12 | −3 | 0 | −5 | 3 | 8 | −7 |

Independent task

1. Add in the correct symbol $=, >$ or $<$ into the following:

 a) $4 \times 3 \_\_ 4 \times 2$ b) $8 \div 2 \_\_ 16 \div 4$ c) $4 - 3 \_\_ 4 - (-2)$

2. Write an algebraic inequality from the descriptions:

a) n is greater than -3

b) Double m is less than p

c) q is at least 2 more than w

3. Tick the inequalities that are true when $a = 4$

a) $2a > 8$ ☐   b) $a + 2 > a + 1$ ☐   c) $\frac{a}{4} > \frac{a}{2}$ ☐

Explore

$a = 4$ $b = 2$ $c = 9$

Which of the following inequalities are true?

$2a > c$ $ac < 17b$ $b - c > 3a$ $a^2 < b^4$

Create your own examples of true inequalities.