

# Estimating quotients



Round to compatible numbers. Estimate the quotient.

$$3,156 \div 6$$

$$3,000 \div 6 = \boxed{500}$$

$$2,159 \div 5$$

$$2,500 \div 5 = \boxed{500}$$

Round to compatible numbers. Estimate the quotient.

$$1,934 \div 8$$

$$\div 8 =$$

$$4,066 \div 5$$

$$\div 5 =$$

$$1,108 \div 4$$

$$\div 4 =$$

$$5,657 \div 9$$

$$\div 9 =$$

$$3,998 \div 6$$

$$\div 6 =$$

$$5,525 \div 7$$

$$\div 7 =$$

$$1,701 \div 3$$

$$\div 3 =$$

$$1,304 \div 2$$

$$\div 2 =$$

Estimate the quotient.

$$4,798 \div 7$$

$$8,205 \div 9$$

$$5,022 \div 5$$

$$3,785 \div 4$$

$$5,528 \div 6$$

$$2,375 \div 8$$

$$1,632 \div 3$$

$$4,251 \div 4$$

$$4,754 \div 9$$

$$7,352 \div 8$$

$$1,774 \div 2$$

$$3,322 \div 7$$

$$3,591 \div 6$$

$$2,887 \div 5$$

$$5,746 \div 2$$

$$3,703 \div 3$$

$$2,392 \div 6$$

$$6,621 \div 8$$

# Estimating quotients



Round to compatible numbers. Estimate the quotient.

$$3,156 \div 6$$

$$3,000 \div 6 = 500$$

$$2,159 \div 5$$

$$2,500 \div 5 = 500$$

Round to compatible numbers. Estimate the quotient.

$$1,934 \div 8$$

$$1,600 \div 8 = 200$$

$$4,066 \div 5$$

$$4,000 \div 5 = 800$$

$$1,108 \div 4$$

$$1,200 \div 4 = 300$$

$$5,657 \div 9$$

$$5,400 \div 9 = 600$$

$$3,998 \div 6$$

$$4,200 \div 6 = 700$$

$$5,525 \div 7$$

$$5,600 \div 7 = 800$$

$$1,701 \div 3$$

$$1,500 \div 3 = 500$$

$$1,304 \div 2$$

$$1,200 \div 2 = 600$$

Estimate the quotient.

$$4,798 \div 7 \quad 700$$

$$8,205 \div 9 \quad 900$$

$$5,022 \div 5 \quad 1,000$$

$$3,785 \div 4 \quad 900$$

$$5,528 \div 6 \quad 900$$

$$2,375 \div 8 \quad 300$$

$$1,632 \div 3 \quad 500$$

$$4,251 \div 4 \quad 1,000$$

$$4,754 \div 9 \quad 500$$

$$7,352 \div 8 \quad 900$$

$$1,774 \div 2 \quad 900$$

$$3,322 \div 7 \quad 500$$

$$3,591 \div 6 \quad 600$$

$$2,887 \div 5 \quad 600$$

$$5,746 \div 2 \quad 3,000$$

$$3,703 \div 3 \quad 1,200$$

$$2,392 \div 6 \quad 400$$

$$6,621 \div 8 \quad 800$$

Children should round the dividend to a nearby number that can easily be divided by the divisor. Compatible numbers are ones that are just multiples of the divisor. Knowledge of basic division facts should allow these estimations to be done mentally.