

Career Cash Compare

Compare pay today and income over time.

GRADE 6 • TEKS 6.14.H

6.14.H "compare the annual salary of several occupations requiring various levels of post- secondary education or vocational training and calculate the effects of the different annual salaries on lifetime income."

NAME _____

DATE _____

LIFETIME INCOME

Lifetime income = annual salary x years worked. To compare career paths, find each lifetime income, then subtract the smaller total from the larger total.

WORKED EXAMPLE

A job pays \$23,000 each year for 37 years. Find the lifetime income.

1. $\$23,000 \times 37$
2. $\$23,000 \times 30 = \$690,000$
3. $\$23,000 \times 7 = \$161,000$
4. $\$690,000 + \$161,000 = \$851,000$

Answer: \$851,000

PRACTICE 5 problems

- 1** Rank from least to greatest annual salary: pharmacy aide, certificate, \$26,000; lab technician, associate degree, \$33,000; pharmacist, doctoral degree, \$61,000.

ANSWER _____

- 2** A welding job after vocational training pays \$31,000 yearly. An associate-degree job pays \$39,000 yearly. How much more is the second salary each year?

ANSWER _____

- 3** A dental assistant with vocational training earns \$42,000 yearly for 20 years. Find the lifetime income.

ANSWER _____

- 4** Compare 40 years of work: a certificate career pays \$25,000 yearly and a bachelor's-degree career pays \$38,000 yearly. How much more lifetime income does the bachelor's-degree career earn?

ANSWER _____

- 5** A 2-year degree career pays \$46,000 yearly for 30 years. A 4-year degree career pays \$54,000 yearly for 30 years. Which earns more lifetime income, and by how much?

ANSWER _____

APPLY IT Show your work

- 1** Lena likes caring for pets. A pet groomer certificate path pays \$32,000 yearly. A veterinary technician associate-degree path pays \$44,000 yearly. If each person works 25 years, find both lifetime incomes and the difference.

WORK SPACE

ANSWER _____

- 2** At a career fair, Diego sees an animation assistant certificate path paying \$36,000 yearly and an animator bachelor's-degree path paying \$56,000 yearly. If each job lasts 25 years, which path has the greater lifetime income, and by how much?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Three career paths have different work lengths: certificate, \$27,000 yearly for 36 years; associate degree, \$34,000 yearly for 31 years; bachelor's degree, \$45,000 yearly for 24 years. Which has the greatest lifetime income? Explain using all three totals.

WORK SPACE AND ANSWER

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Rank from least to greatest annual salary: pharmacy aide, certificate, \$26,000; lab technician, associate degree, \$33,000; pharmacist, doctoral degree, \$61,000.	pharmacy aide, lab technician, pharmacist
2	A welding job after vocational training pays \$31,000 yearly. An associate-degree job pays \$39,000 yearly. How much more is the second salary each year?	\$8,000
3	A dental assistant with vocational training earns \$42,000 yearly for 20 years. Find the lifetime income.	\$840,000
4	Compare 40 years of work: a certificate career pays \$25,000 yearly and a bachelor's-degree career pays \$38,000 yearly. How much more lifetime income does the bachelor's-degree career earn?	\$520,000
5	A 2-year degree career pays \$46,000 yearly for 30 years. A 4-year degree career pays \$54,000 yearly for 30 years. Which earns more lifetime income, and by how much?	The 4-year degree career, by \$240,000

PART 2 • APPLY IT

1. **Pet groomer: \$800,000; veterinary technician: \$1,100,000; difference: \$300,000** Multiply each annual salary by 25. Subtract \$800,000 from \$1,100,000.
2. **The animator bachelor's-degree path, by \$500,000** The totals are \$900,000 and \$1,400,000. Subtract to find the difference.

CHALLENGE

The bachelor's-degree path is greatest: certificate \$972,000; associate degree \$1,054,000; bachelor's degree \$1,080,000.

Accept equivalent money notation, such as \$840k for \$840,000. Students should multiply annual salary by years before comparing lifetime totals.